

Fig. 1

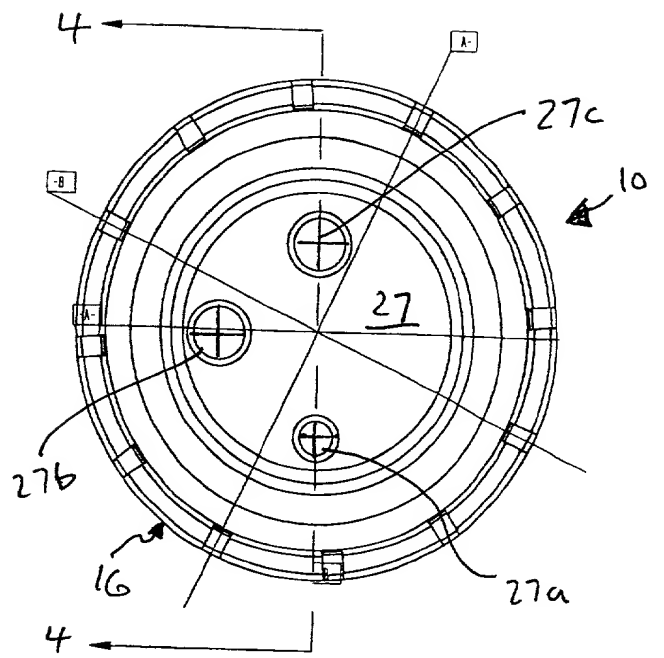


Fig. 3

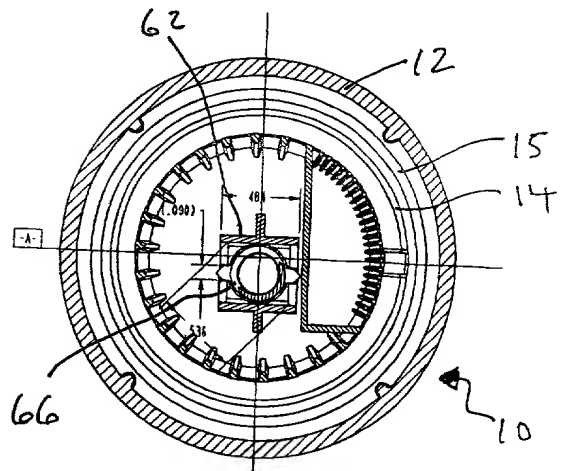


Fig. 5

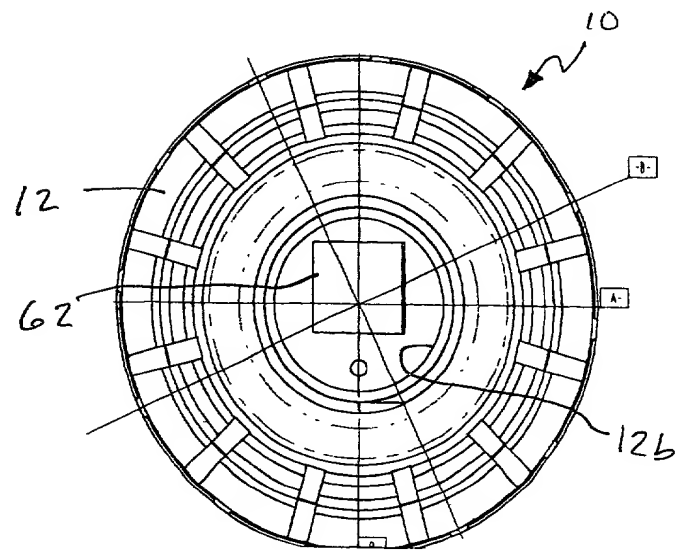


Fig. 6

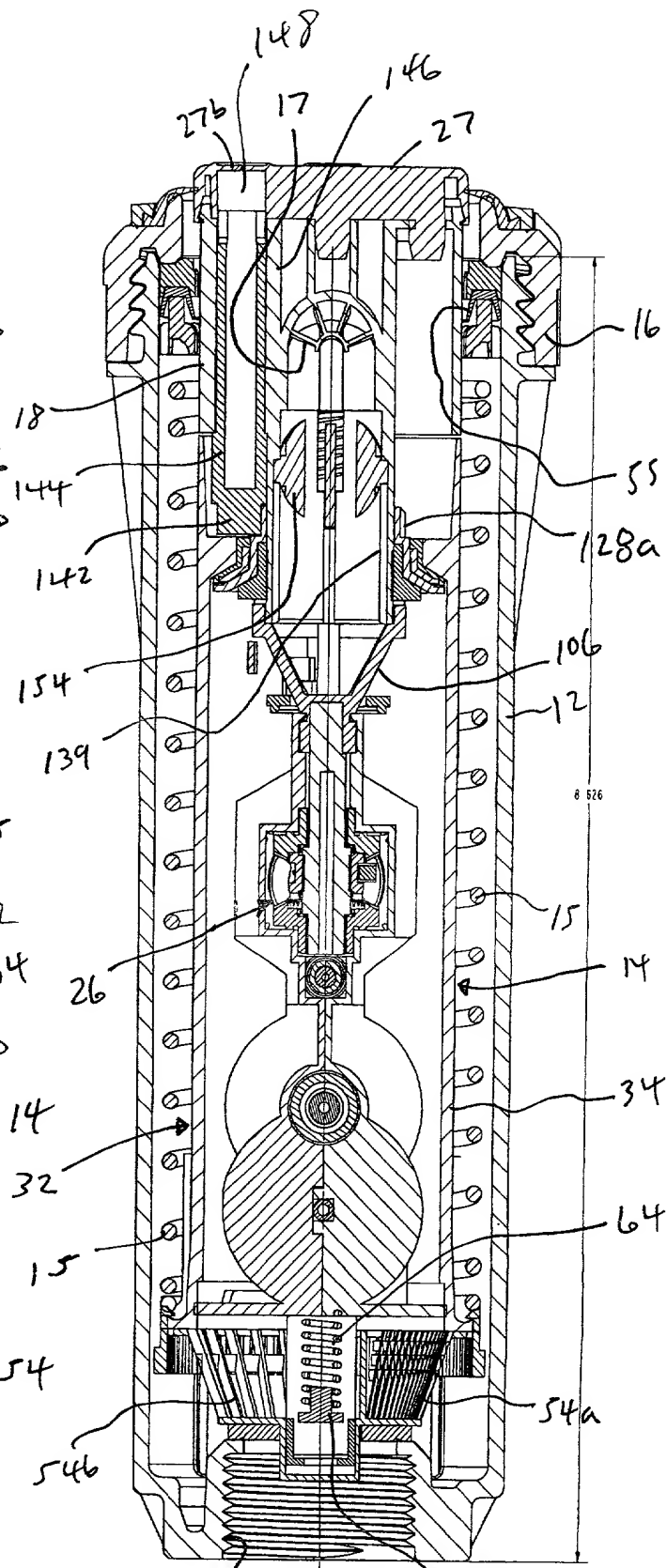
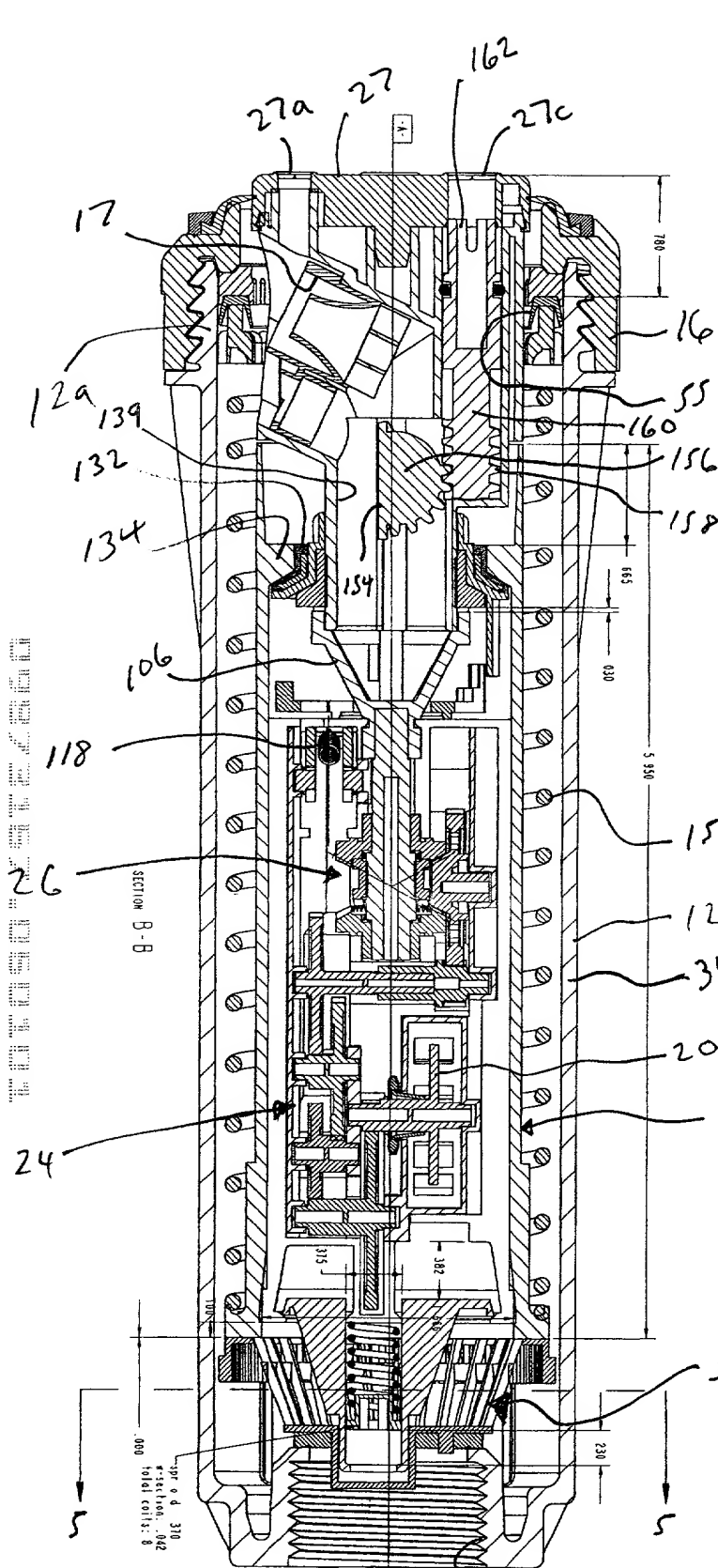


Fig. 4 12b

12b Fig. 2 66

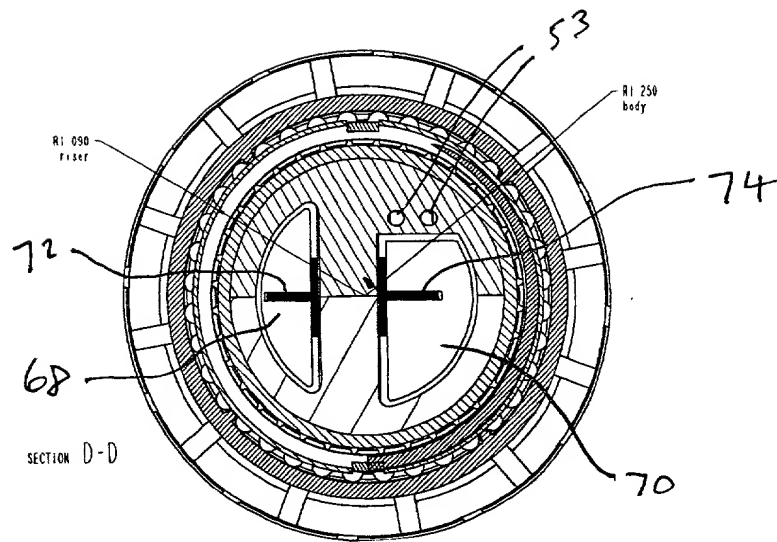


Fig. 7

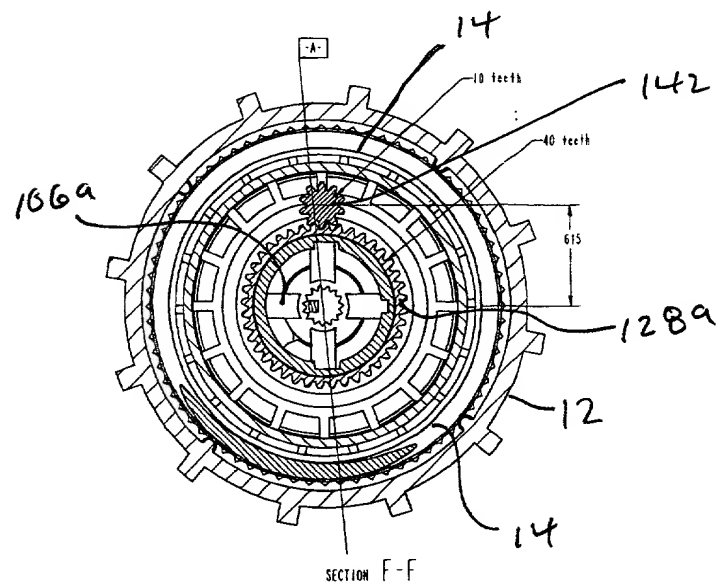


Fig. 8

Fig. 9

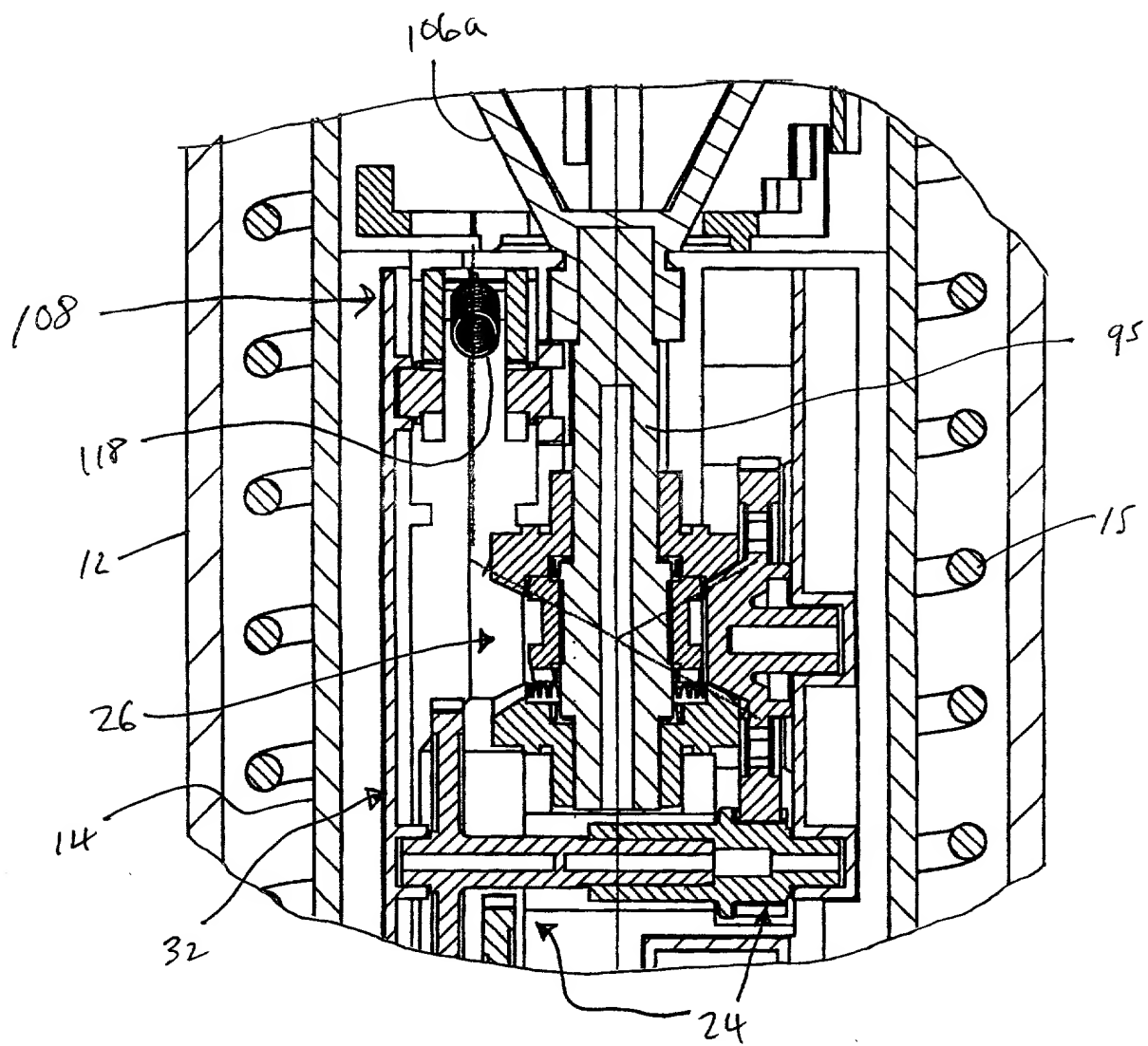


Fig. 10

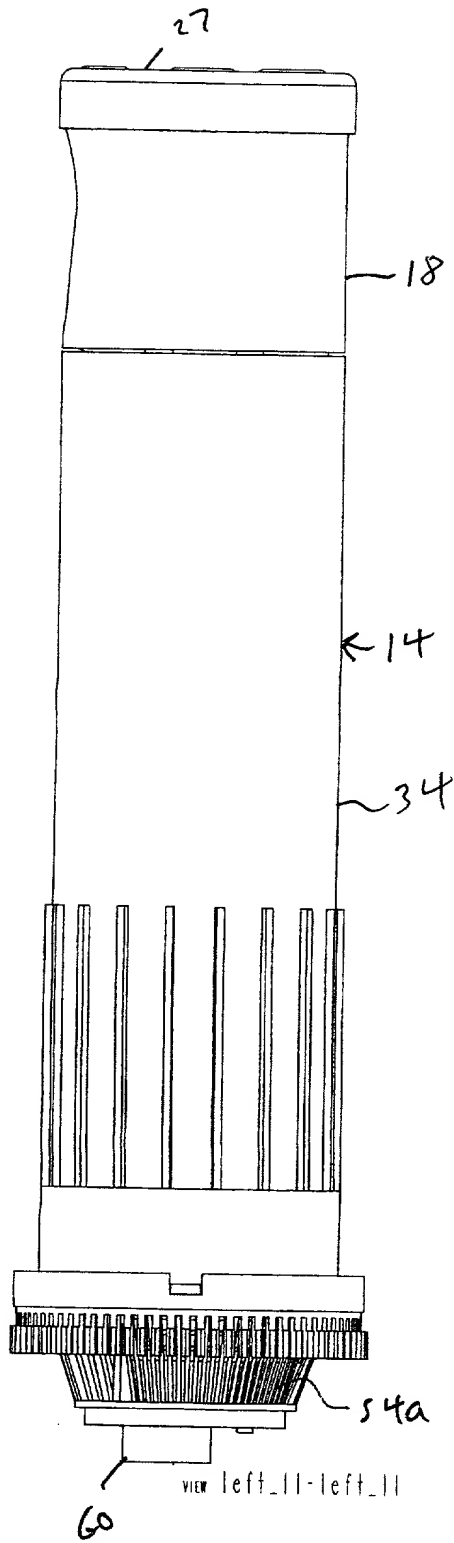


Fig. 11

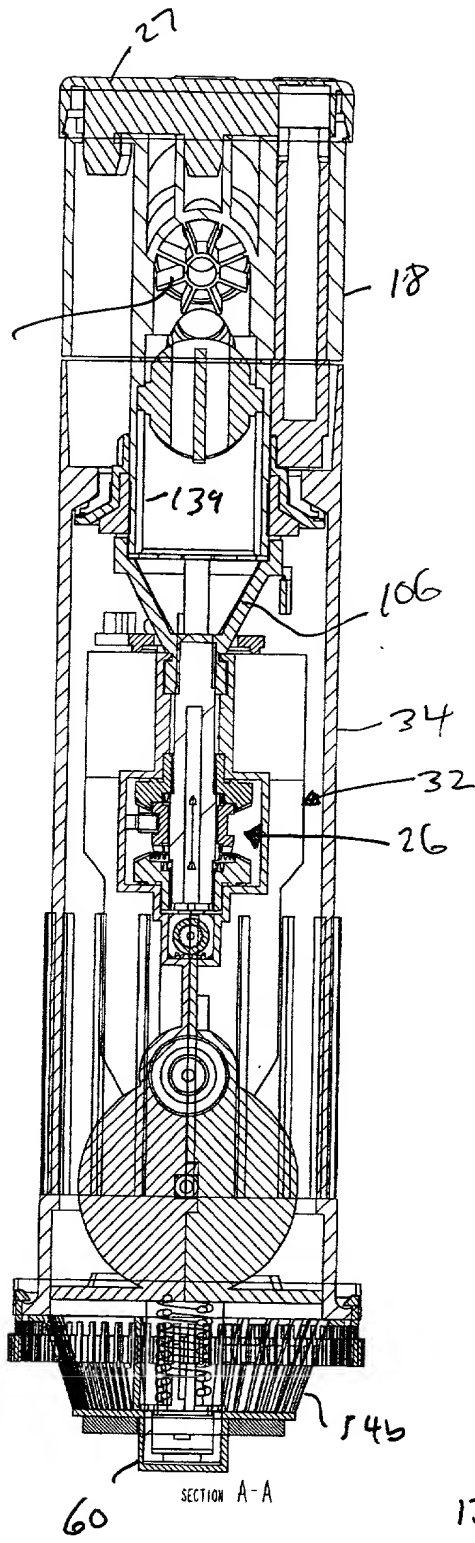


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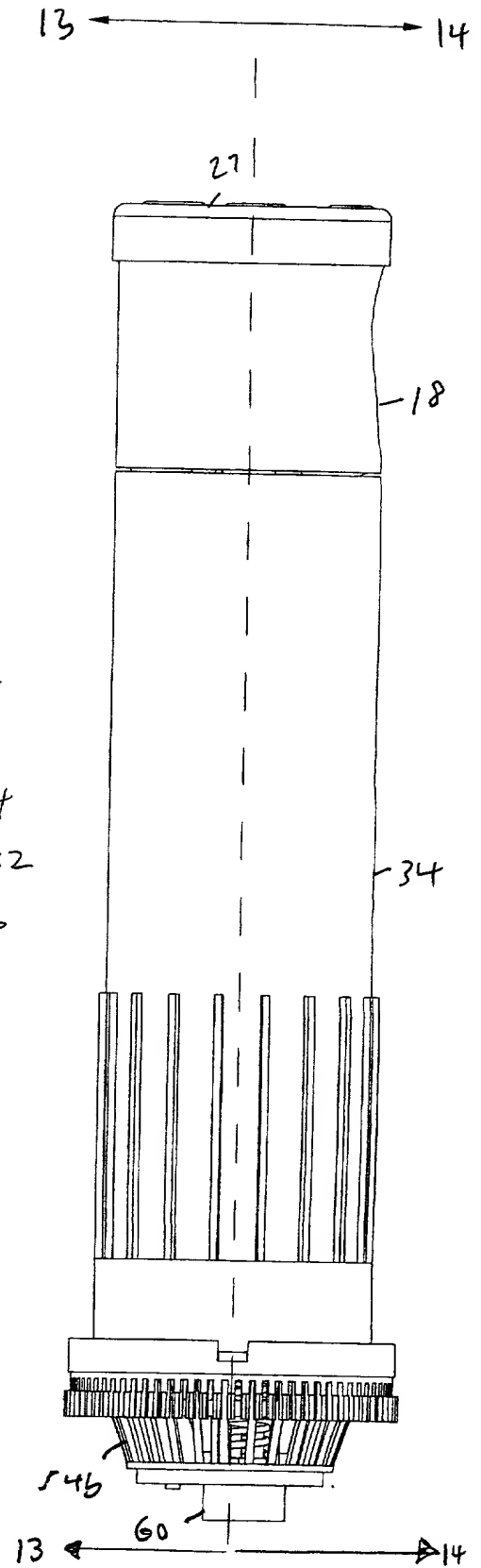
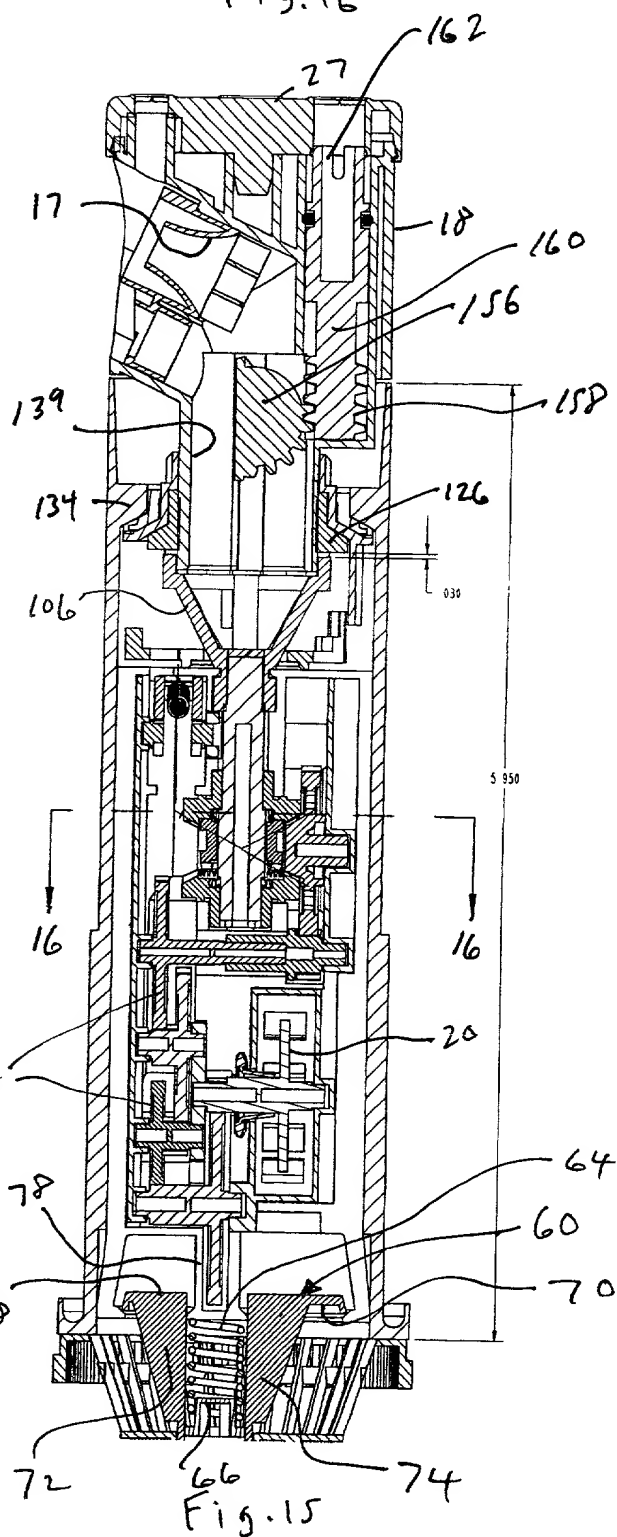
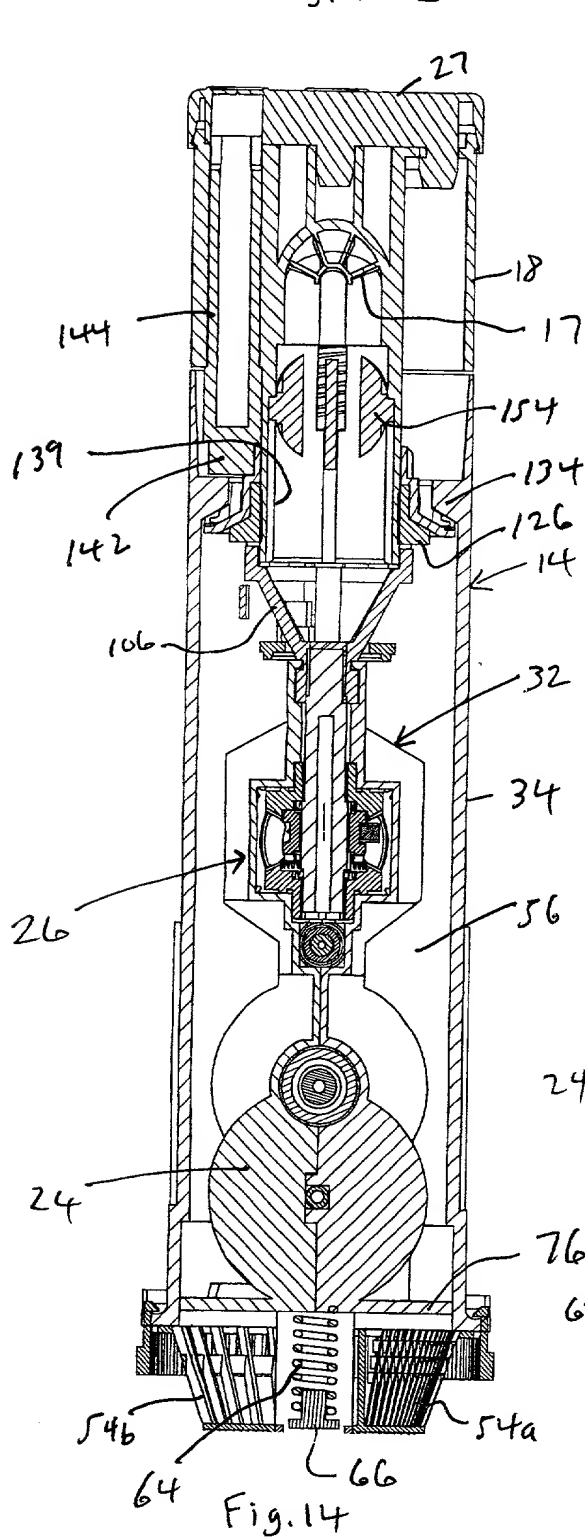
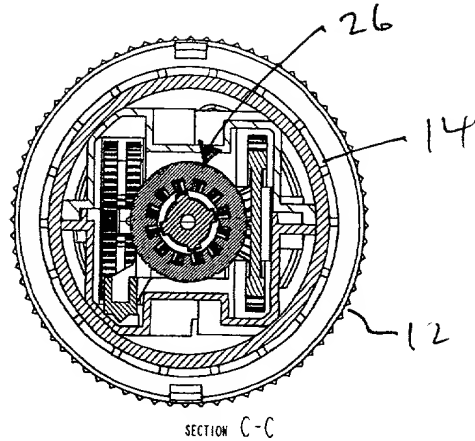
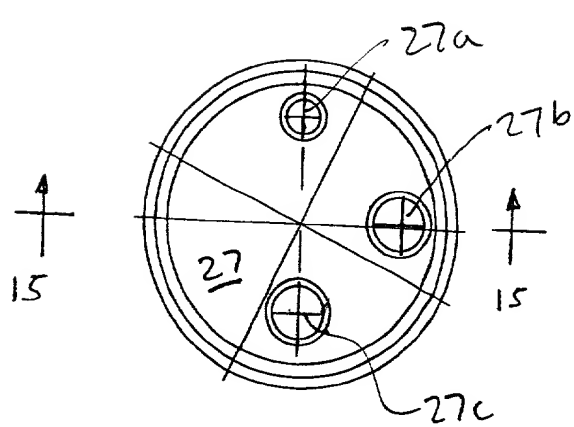


Fig. 12A



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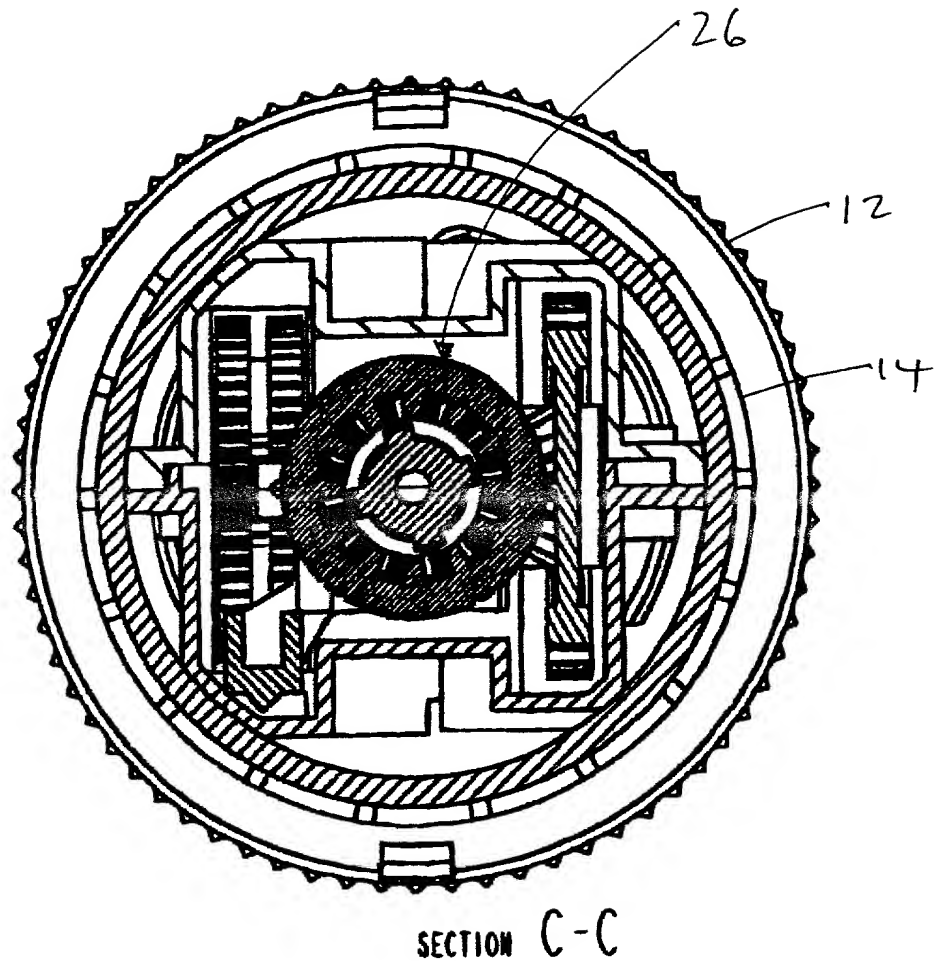


Fig. 17



21 ←

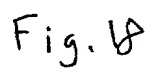
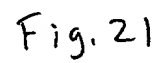
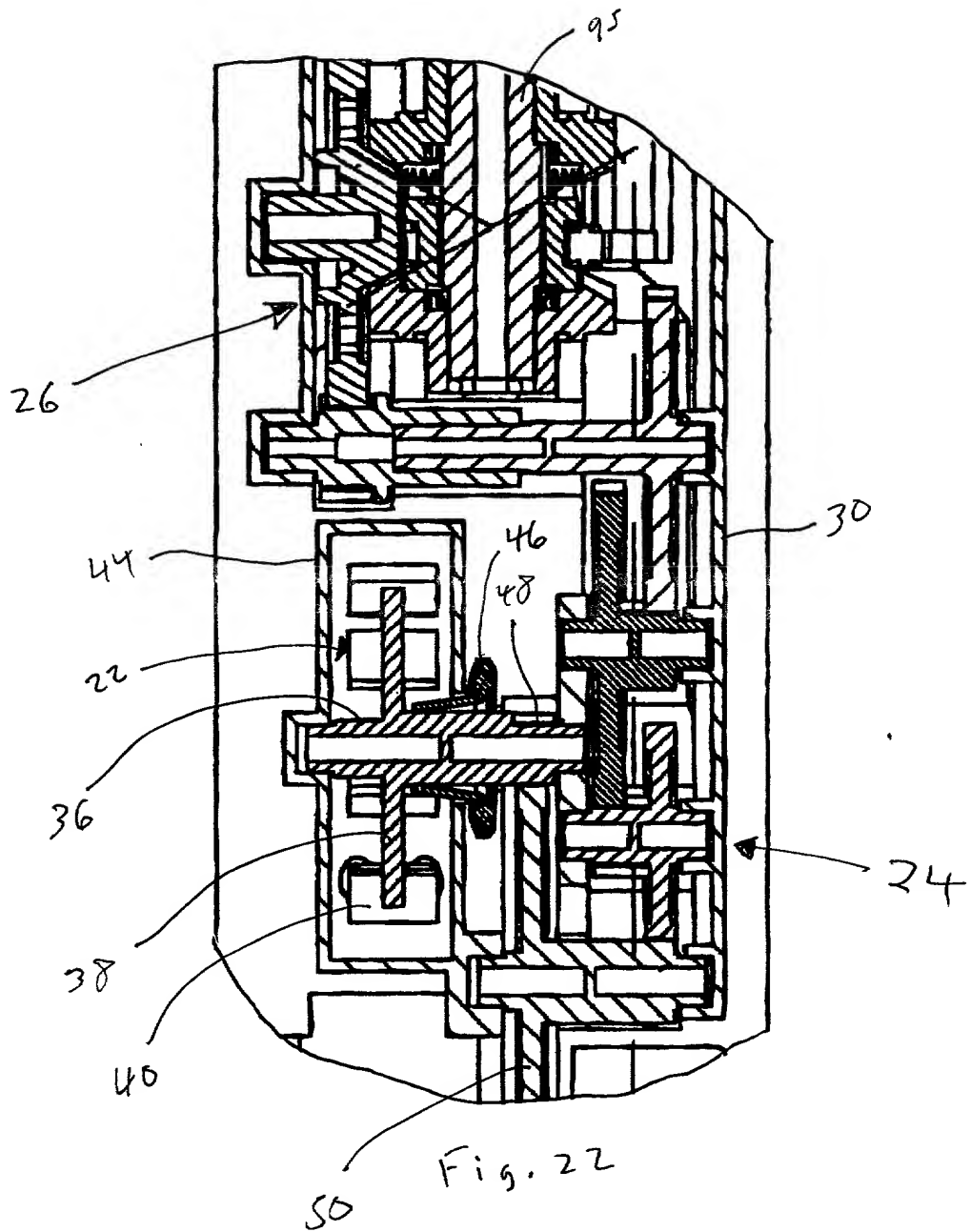
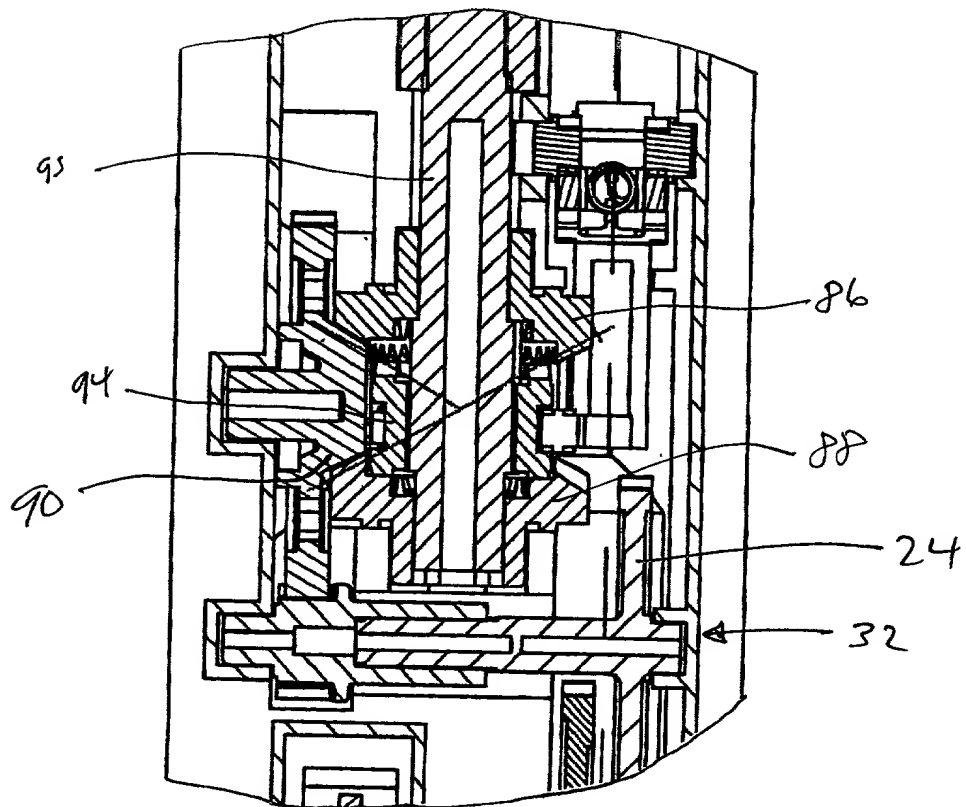
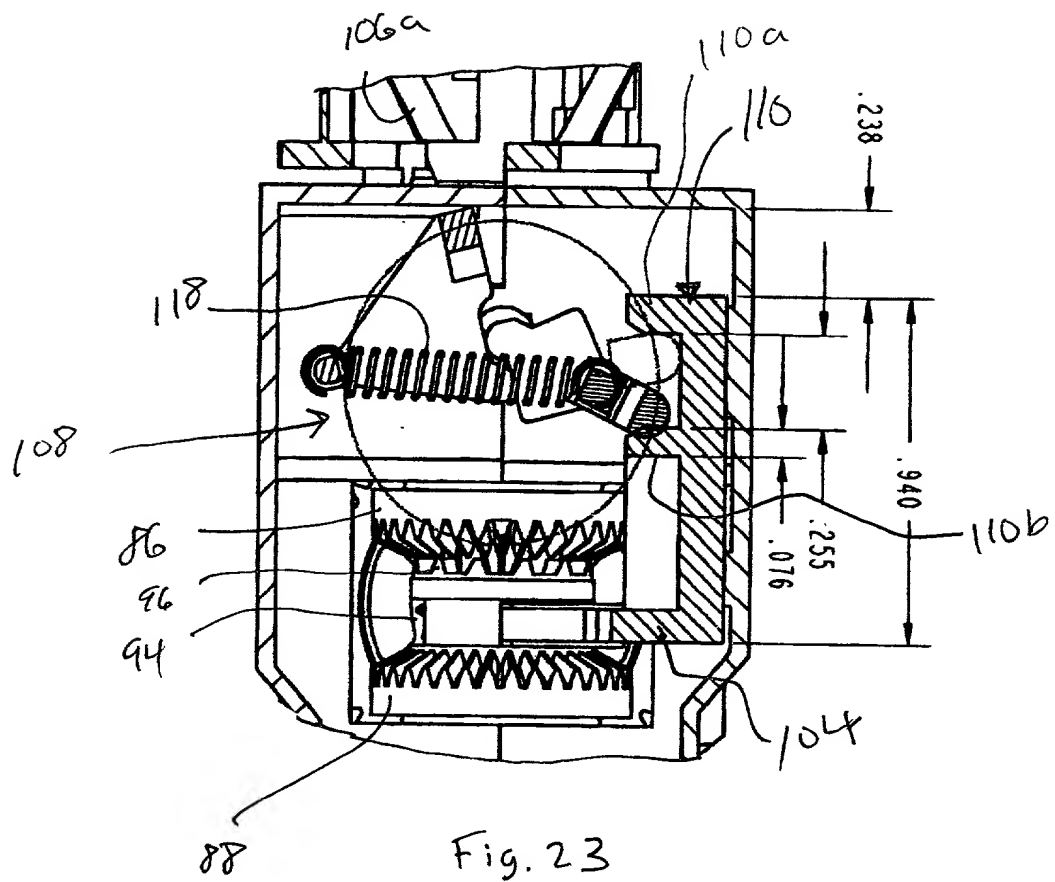


Fig. 20







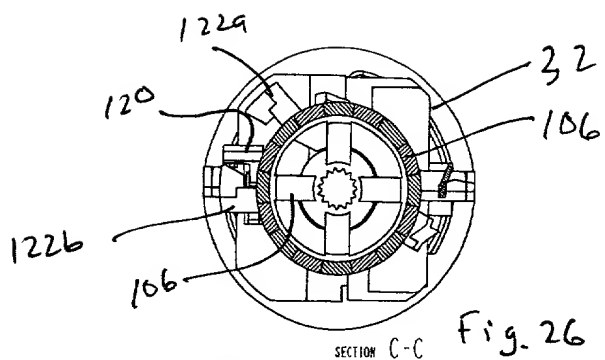


Fig. 26

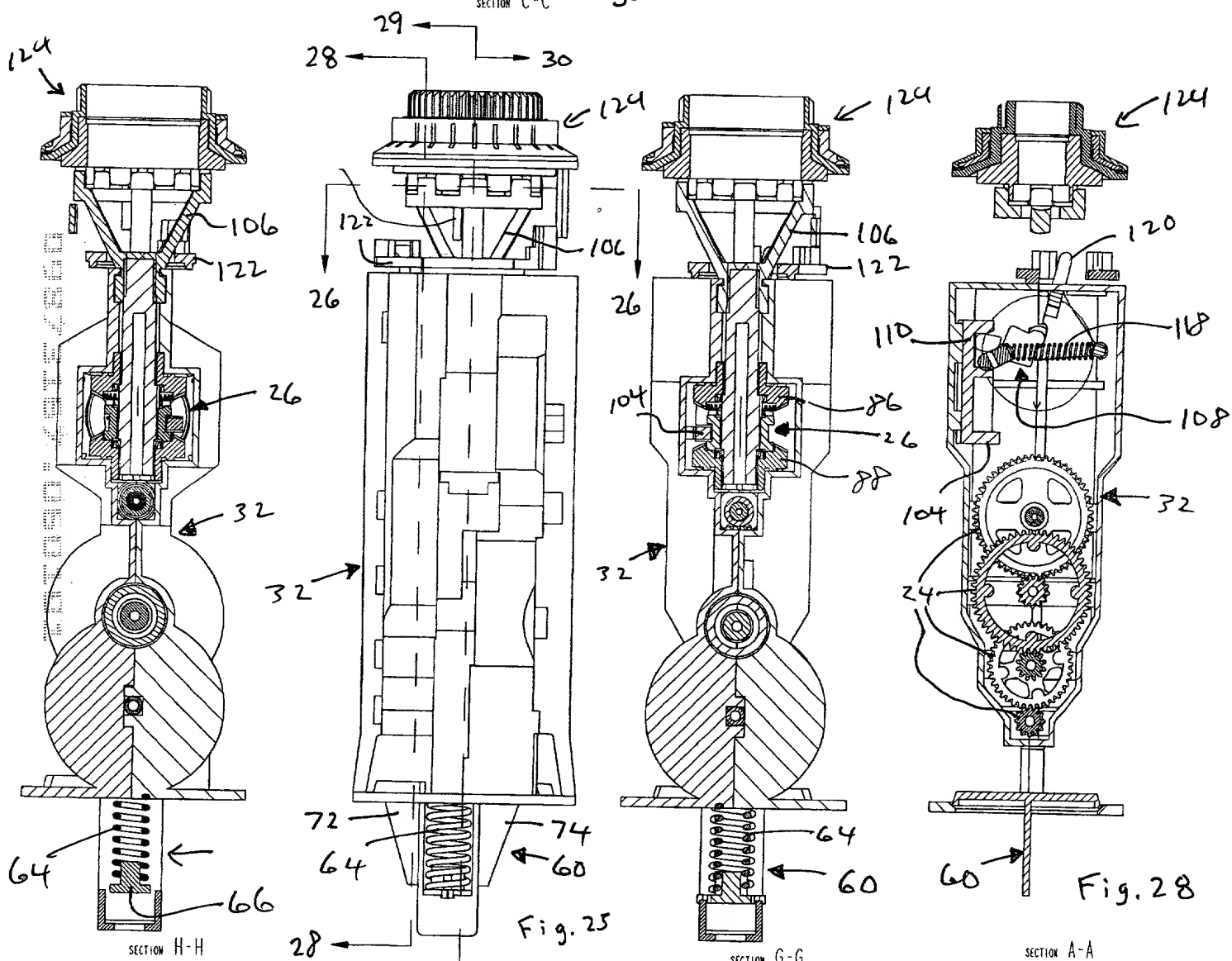


Fig. 30

Fig. 25

Fig. 29

Fig. 28

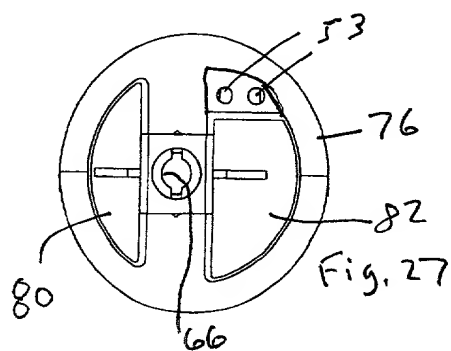
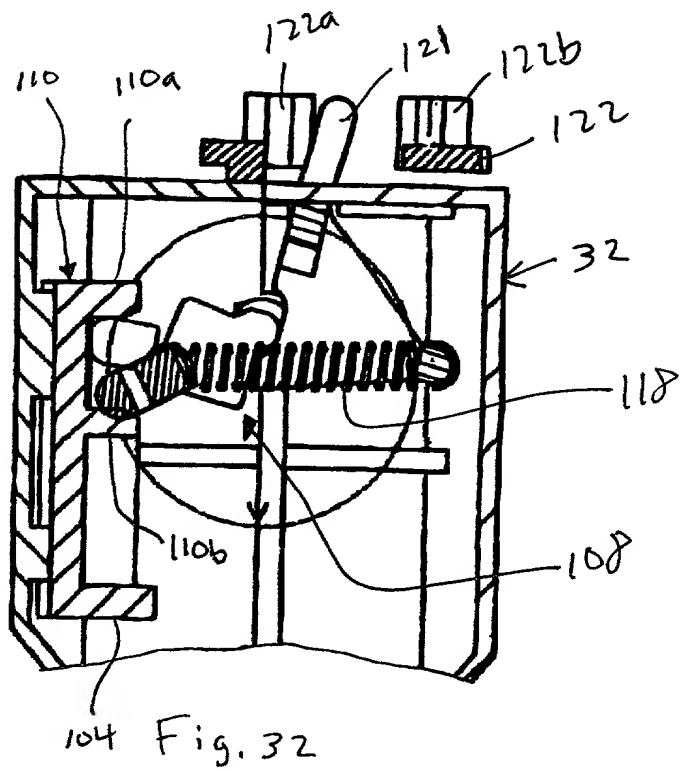
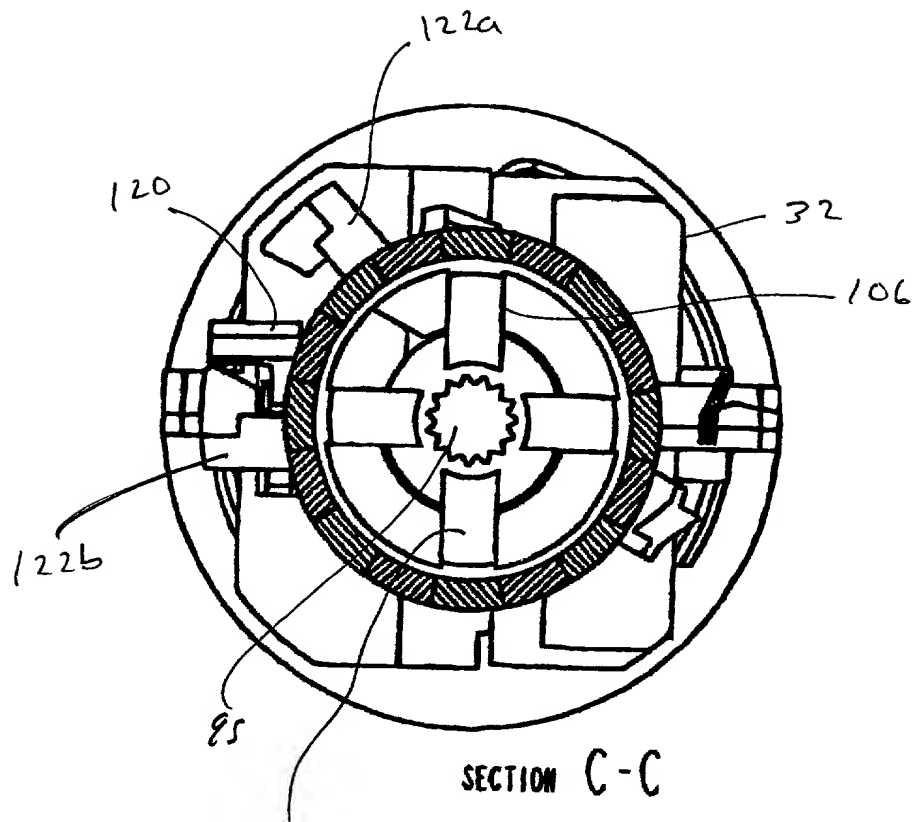


Fig. 27



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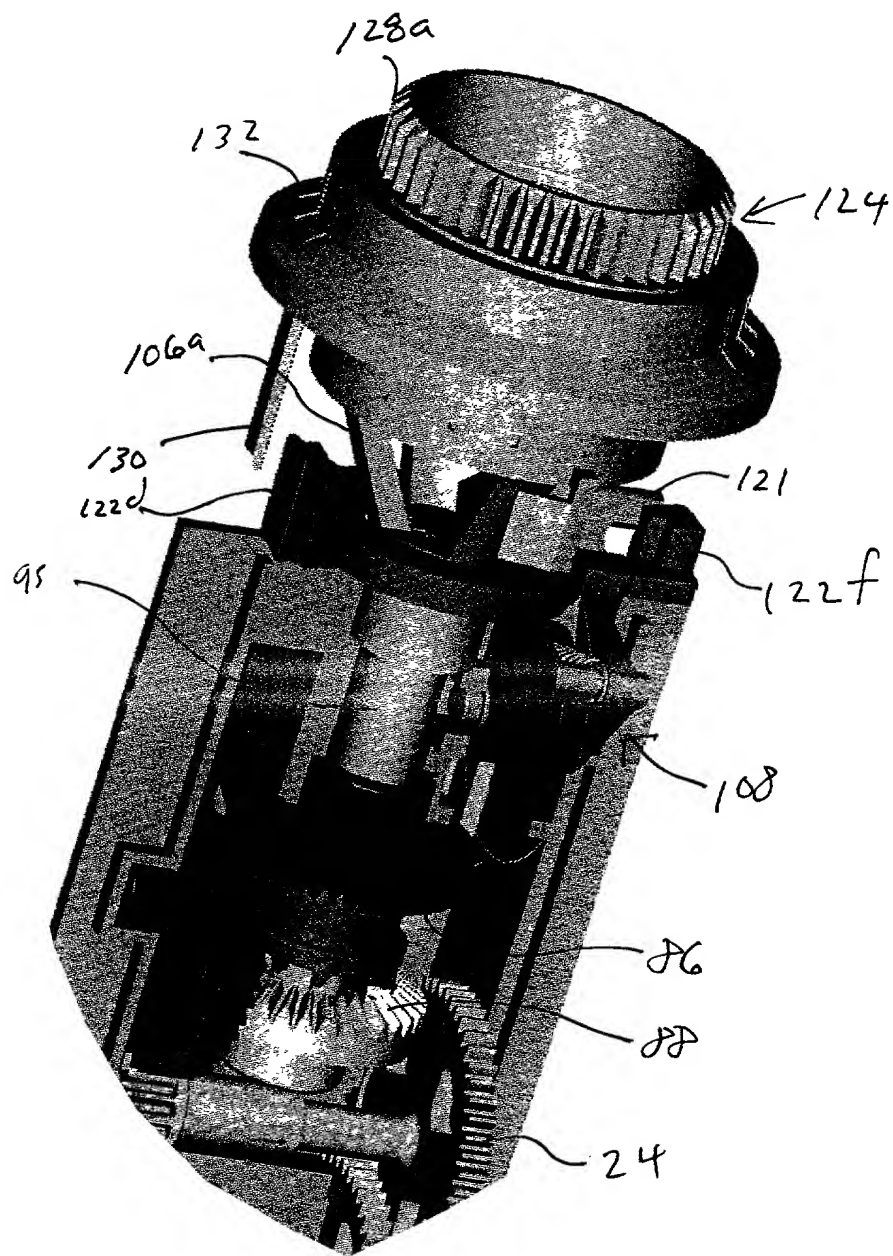


Fig. 33

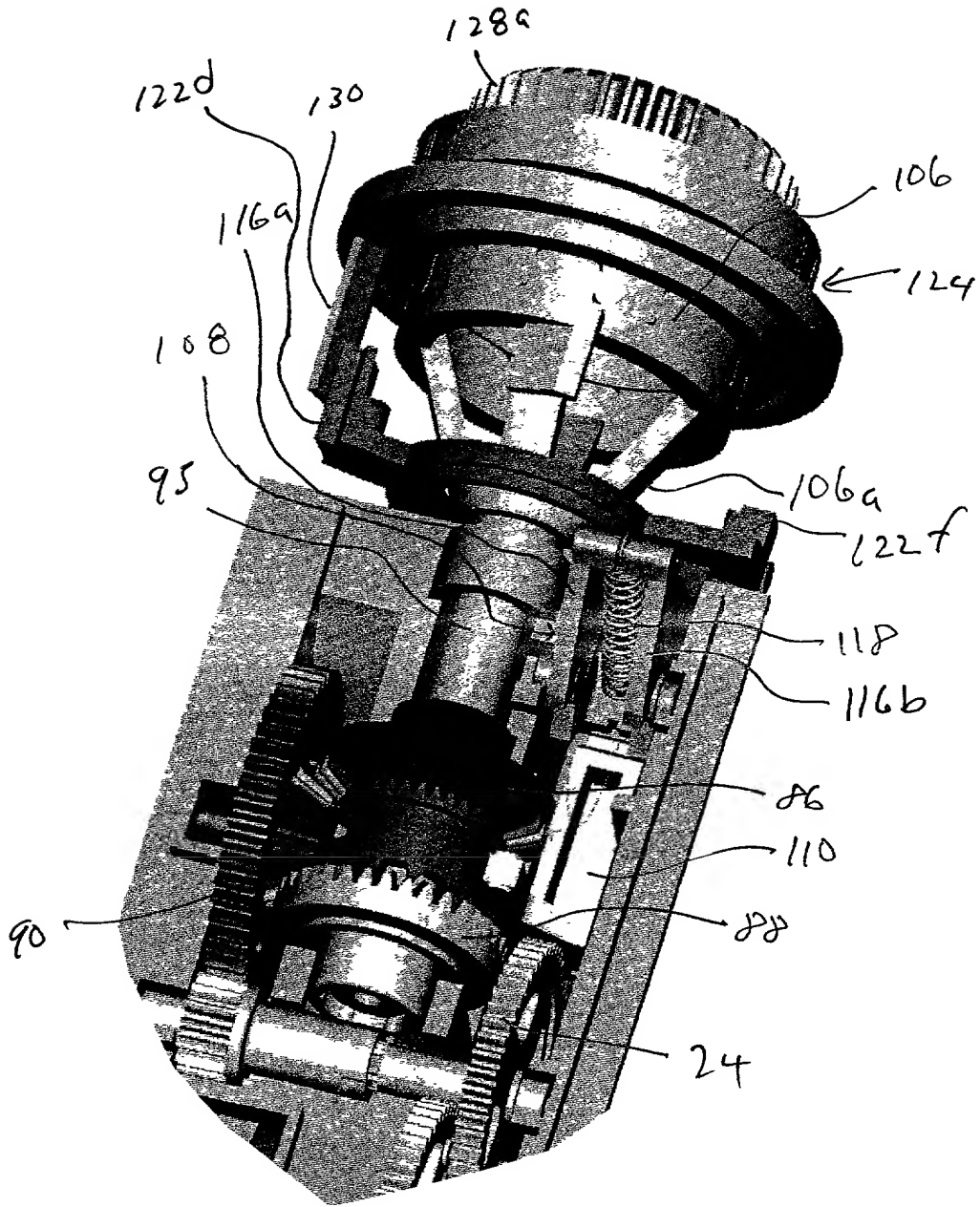


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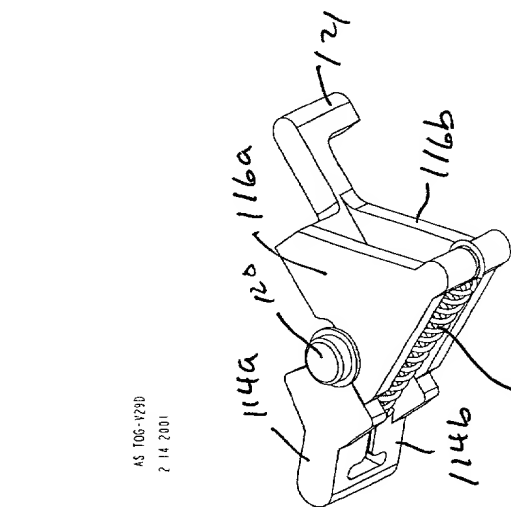


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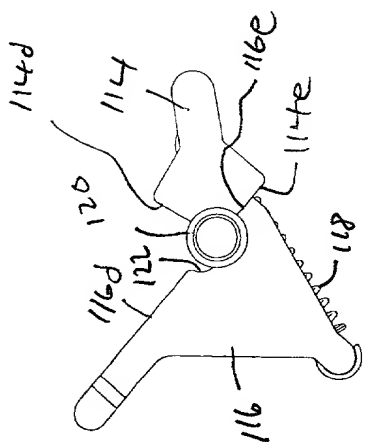


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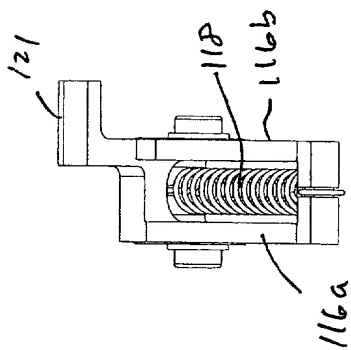


Fig. 37

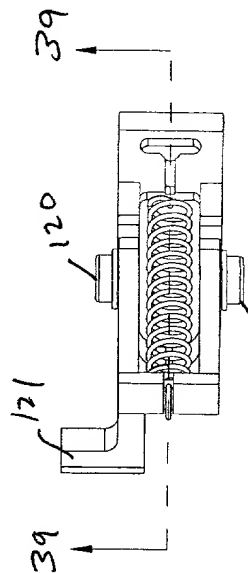


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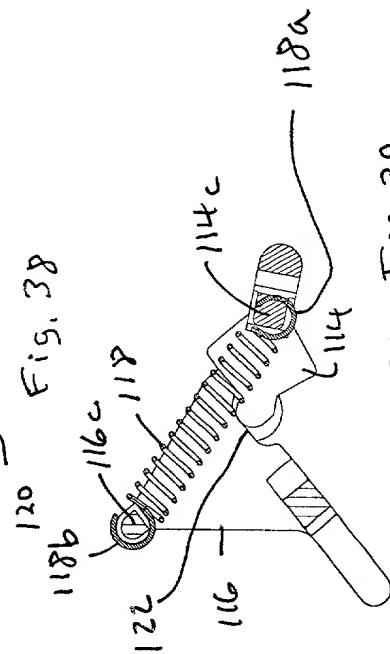
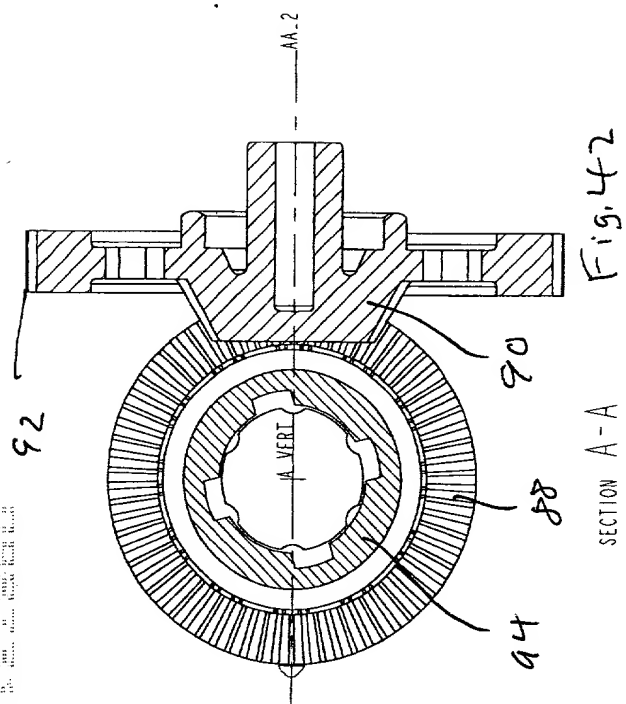
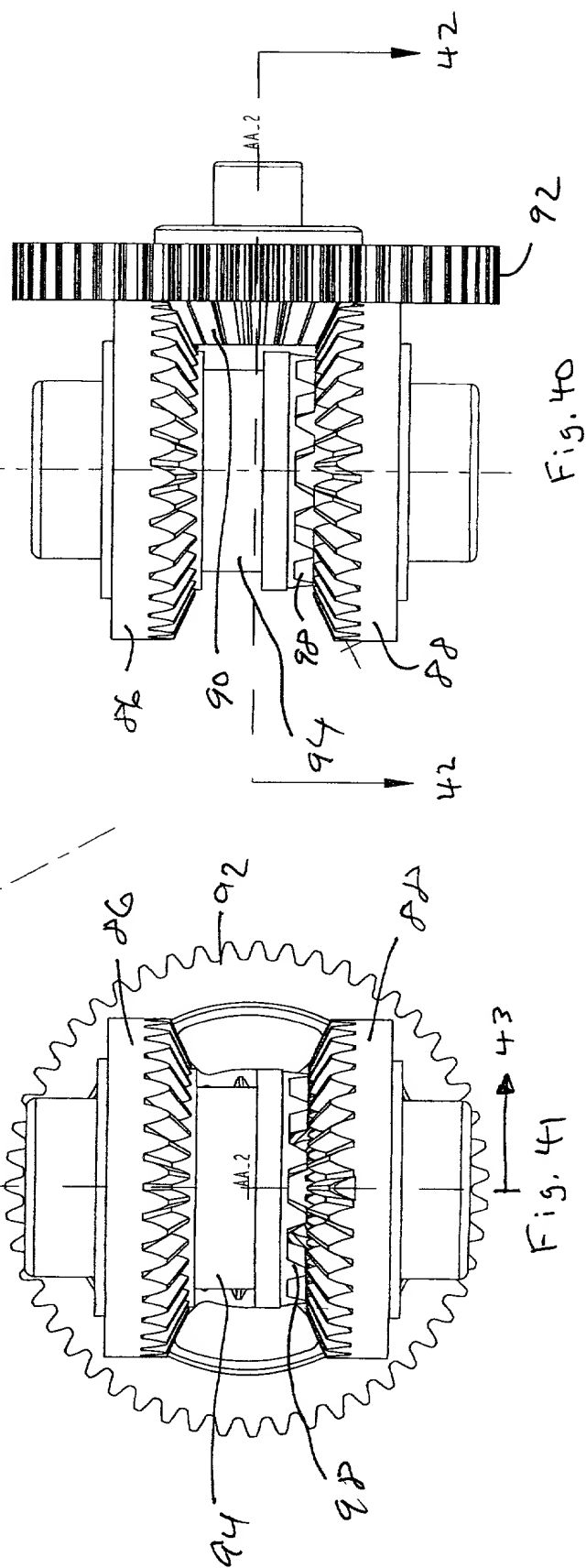
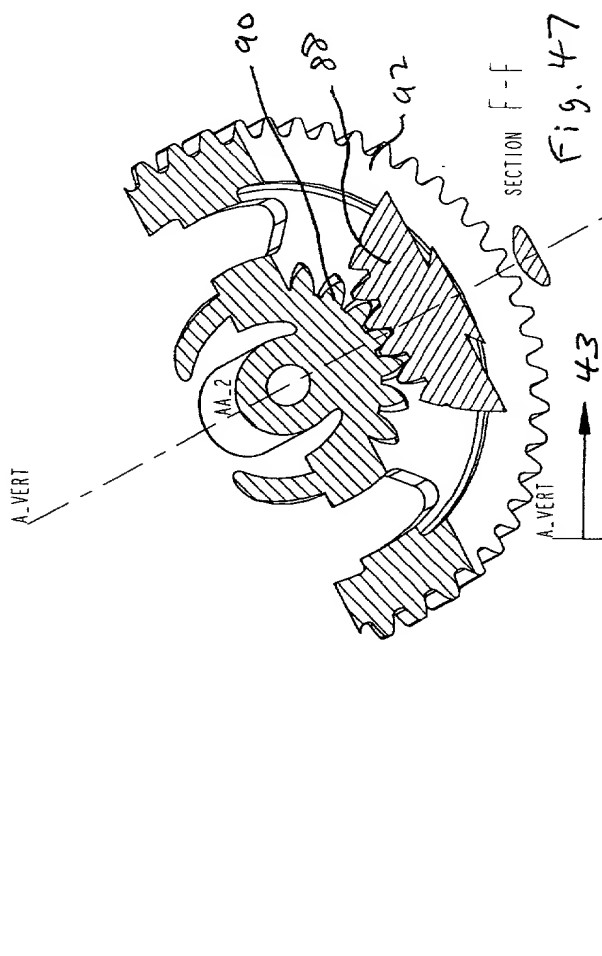
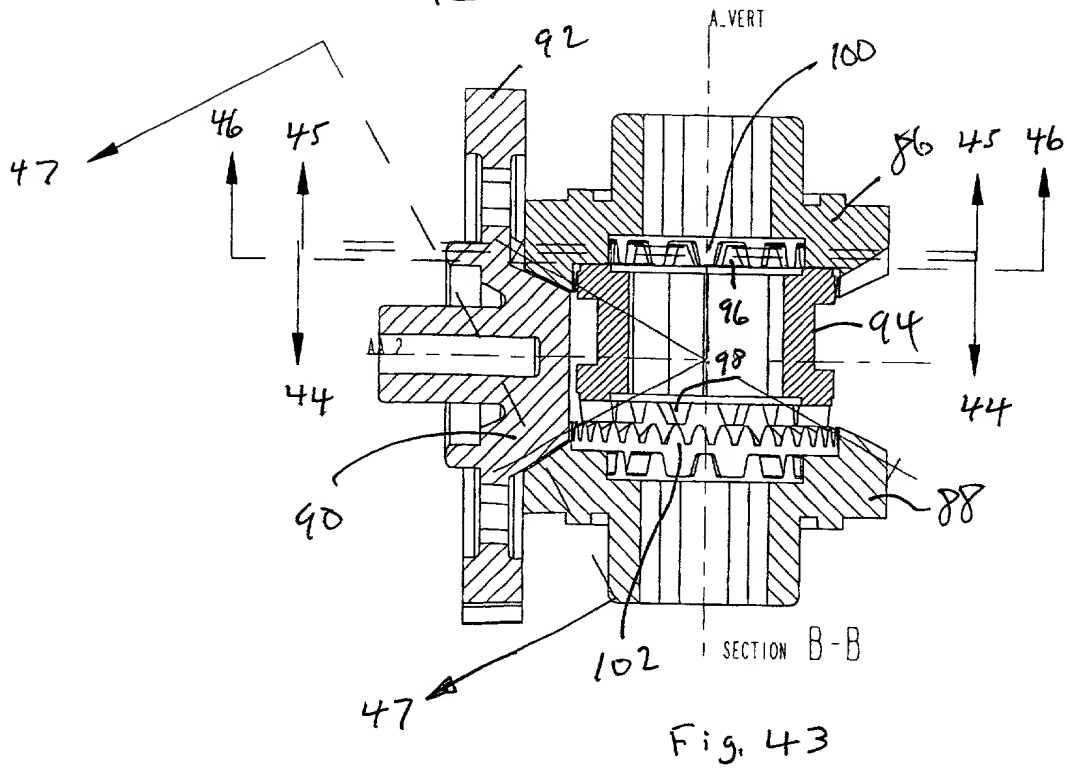
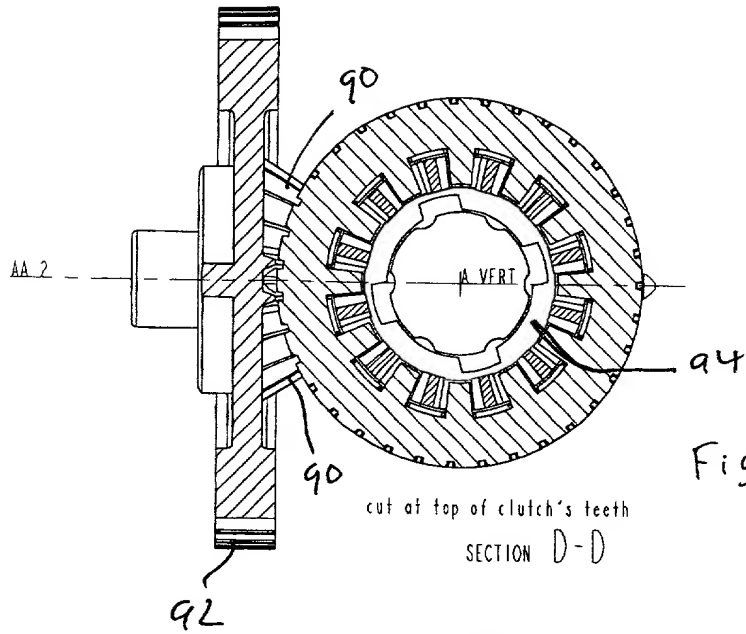


Fig. 39

SECTION B-B







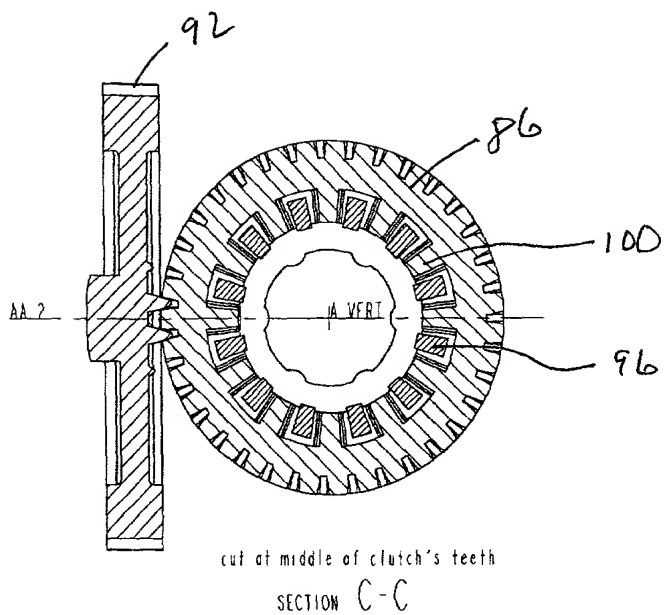


Fig. 45

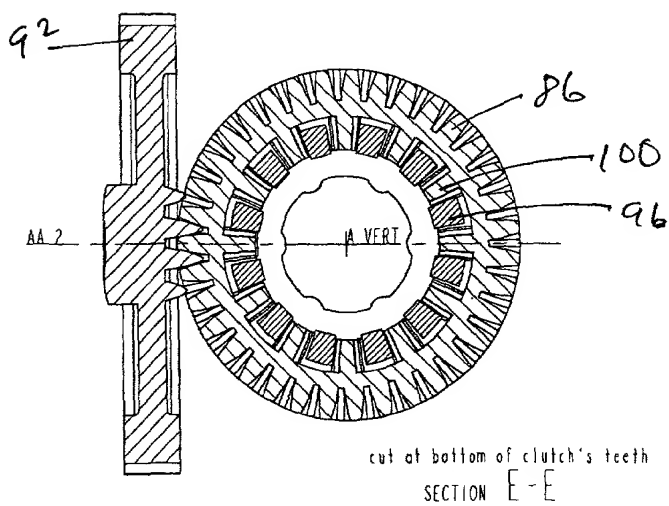


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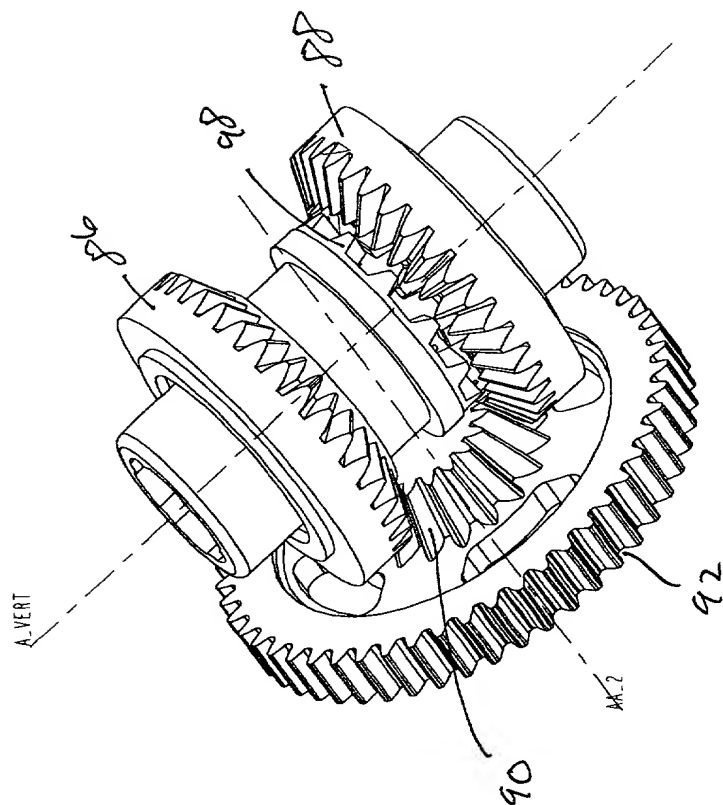


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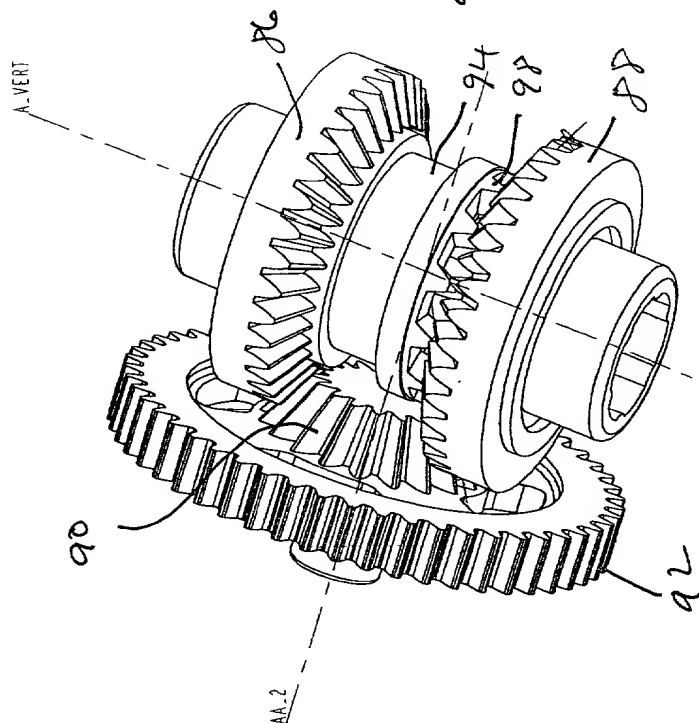
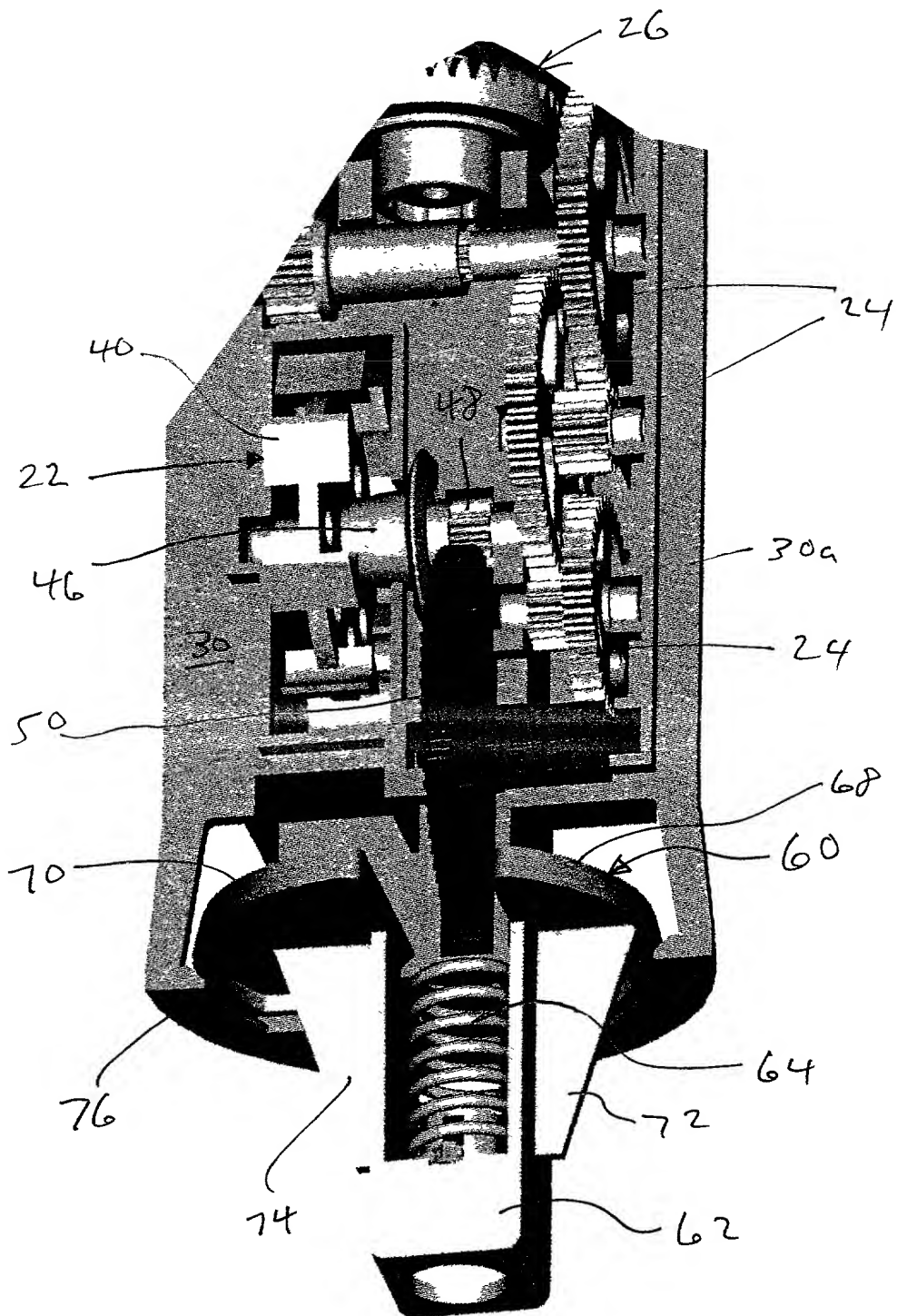


Fig. 48





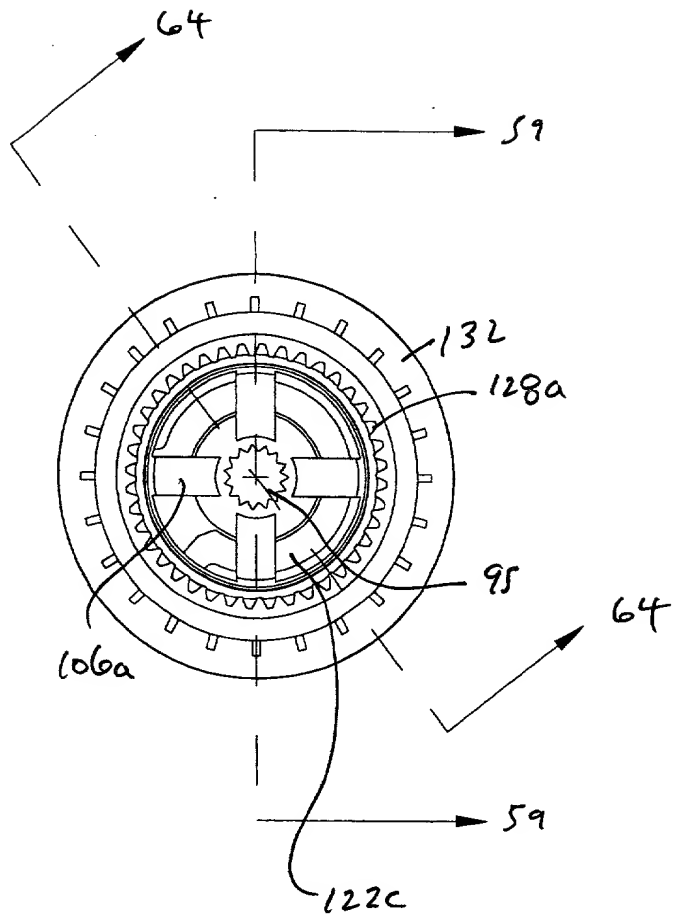


Fig. 58

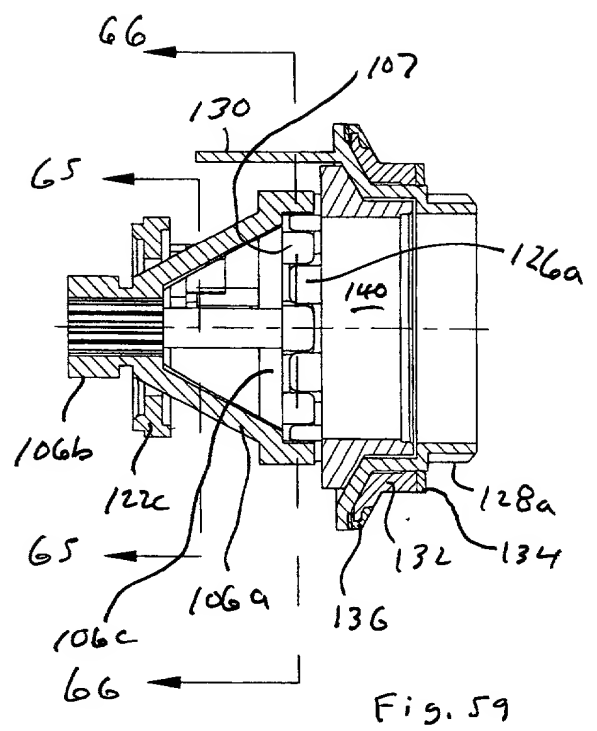


Fig. 59

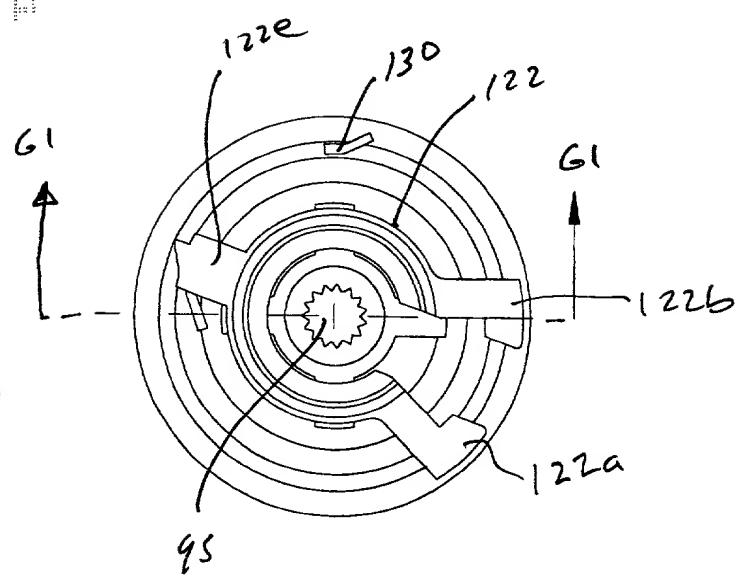


Fig. 60

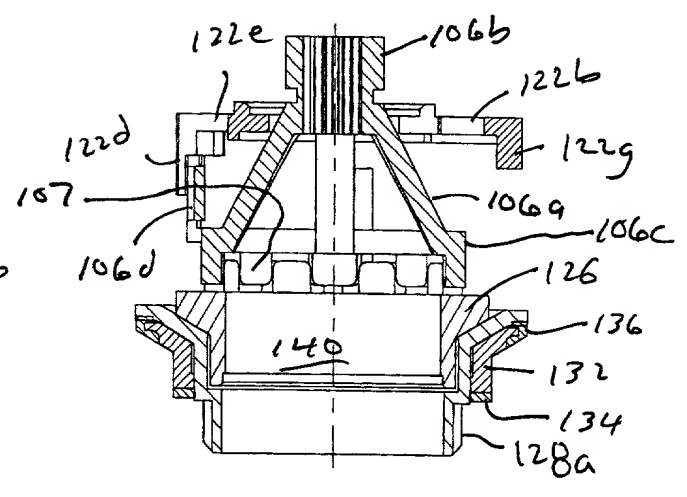
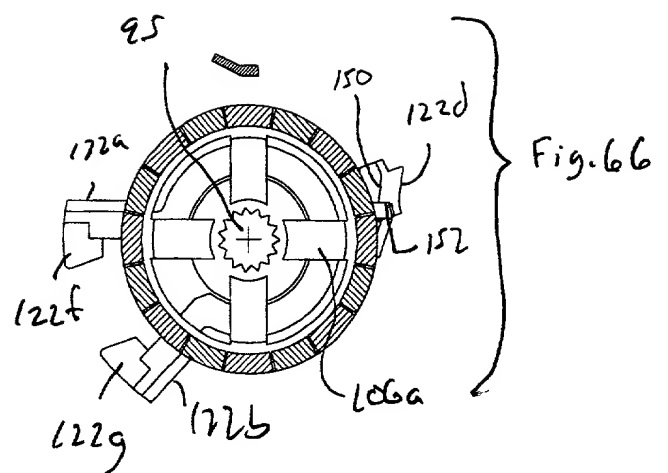
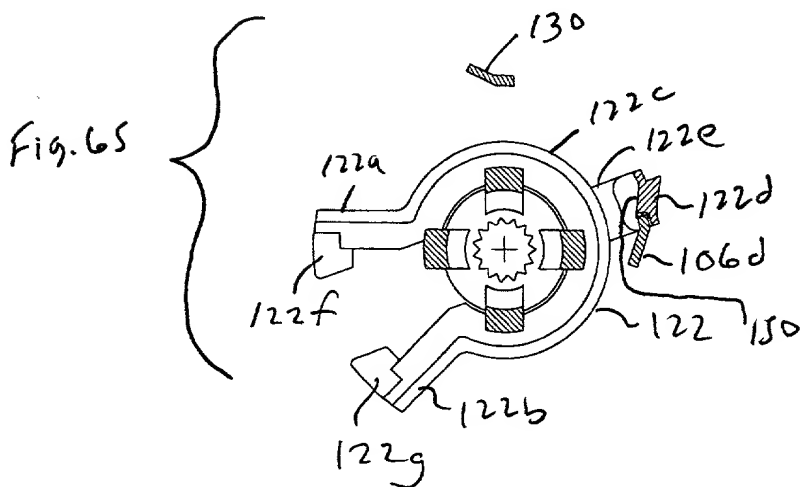
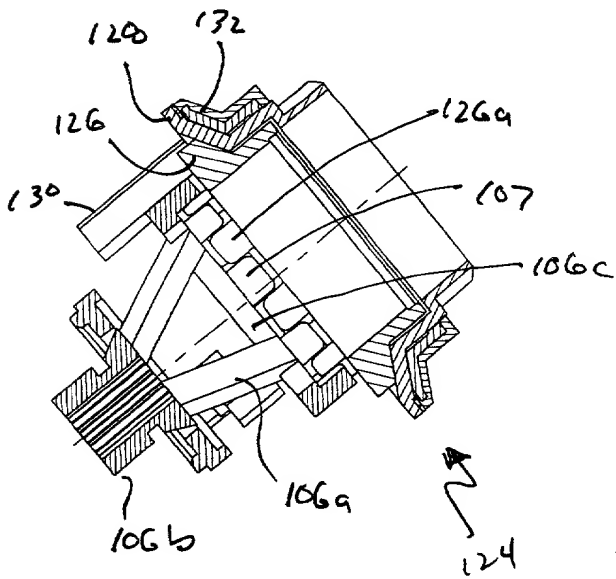
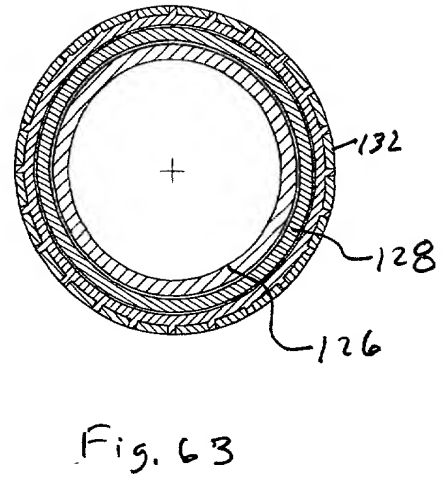
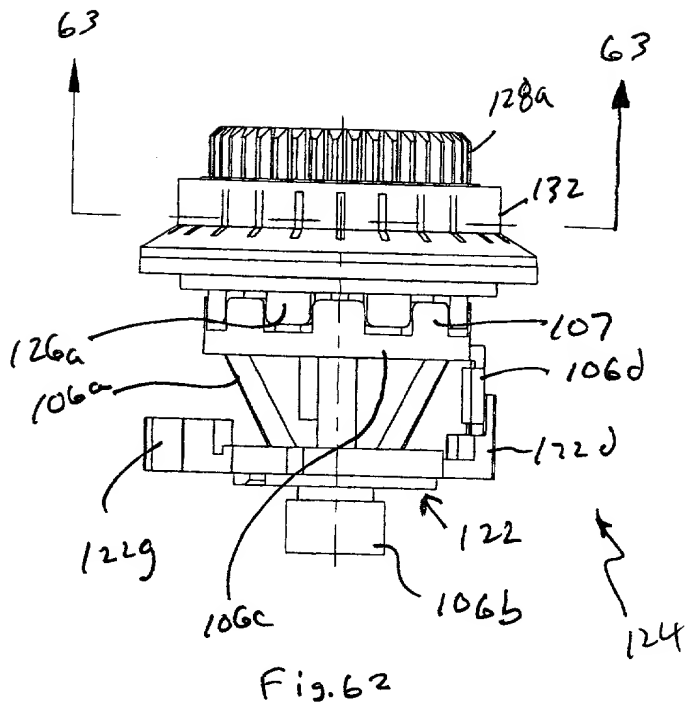


Fig. 61





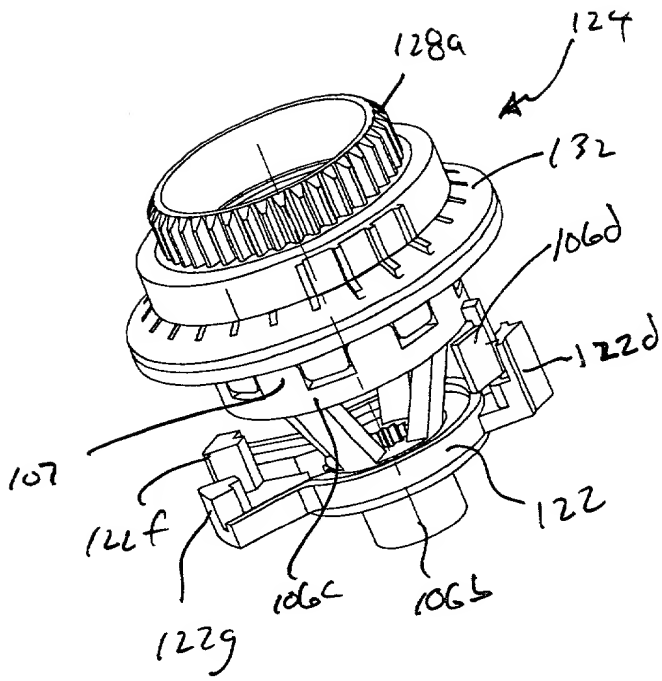


Fig. 67

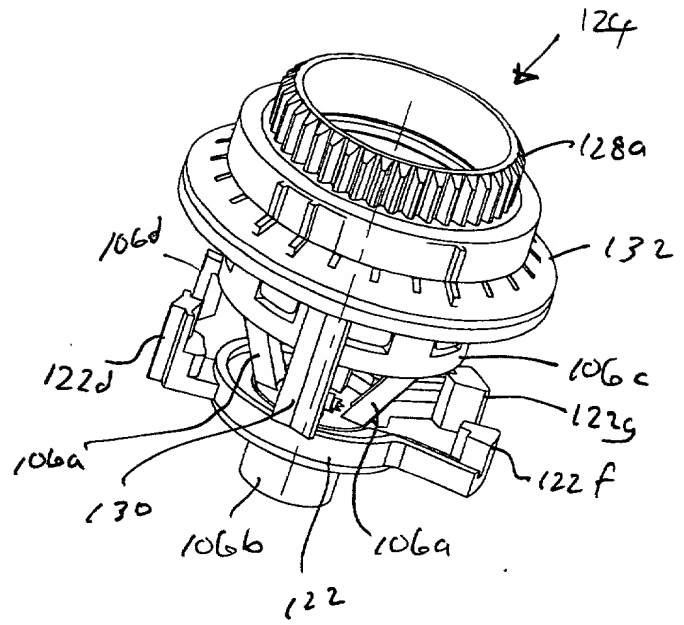


Fig. 68

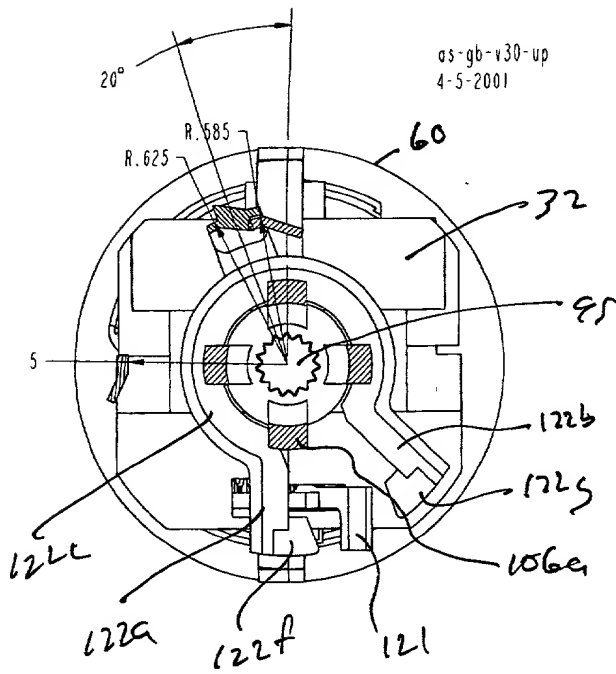


Fig. 73

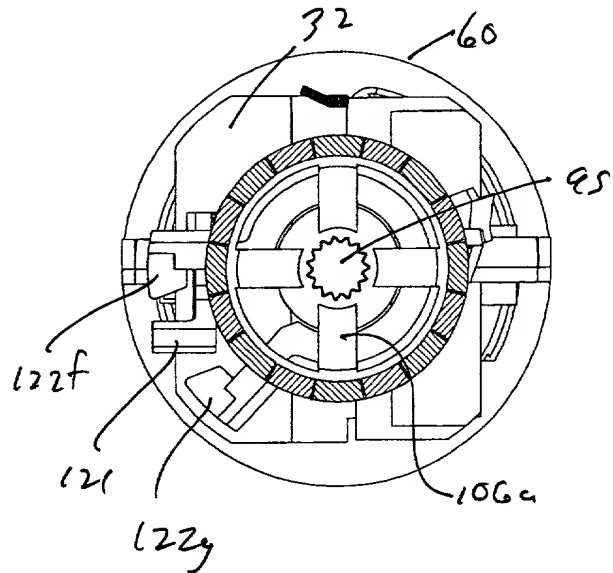


Fig. 74

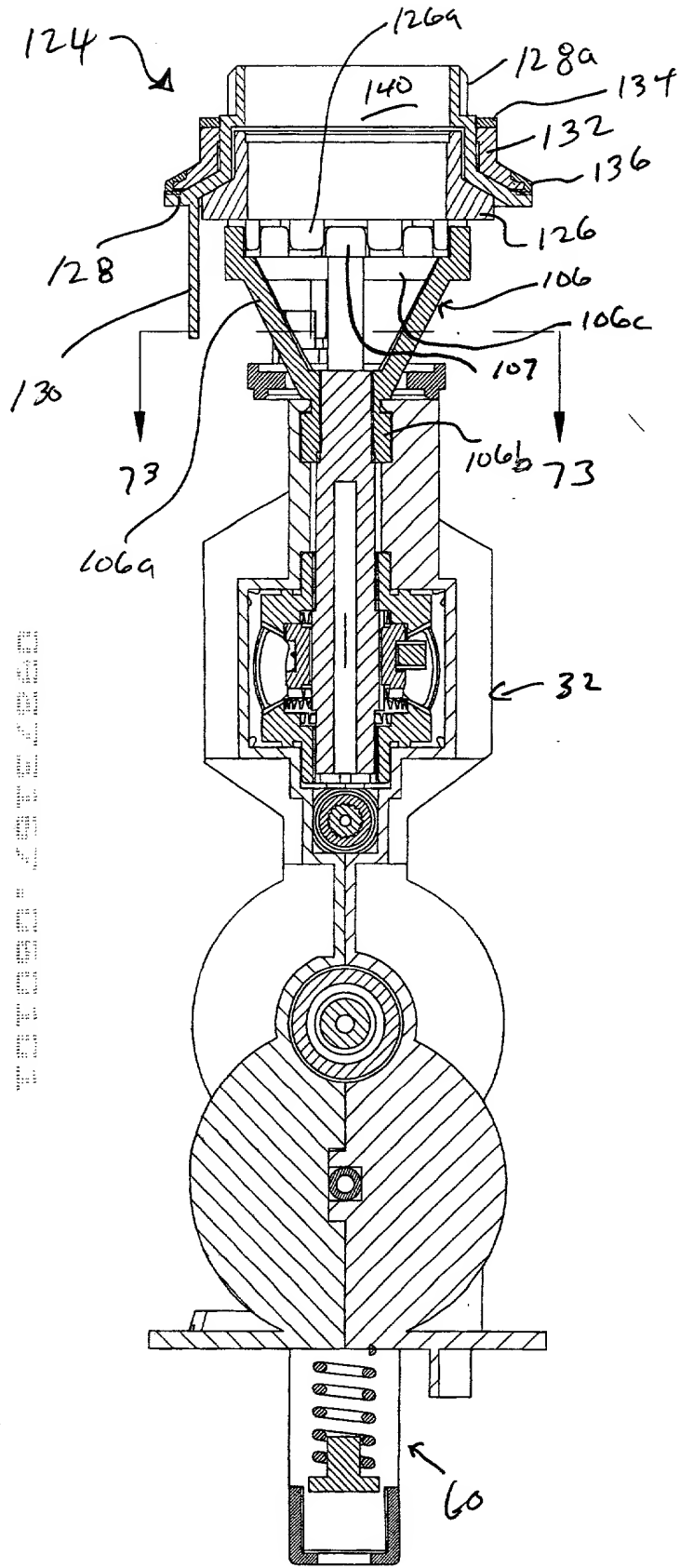


Fig. 69

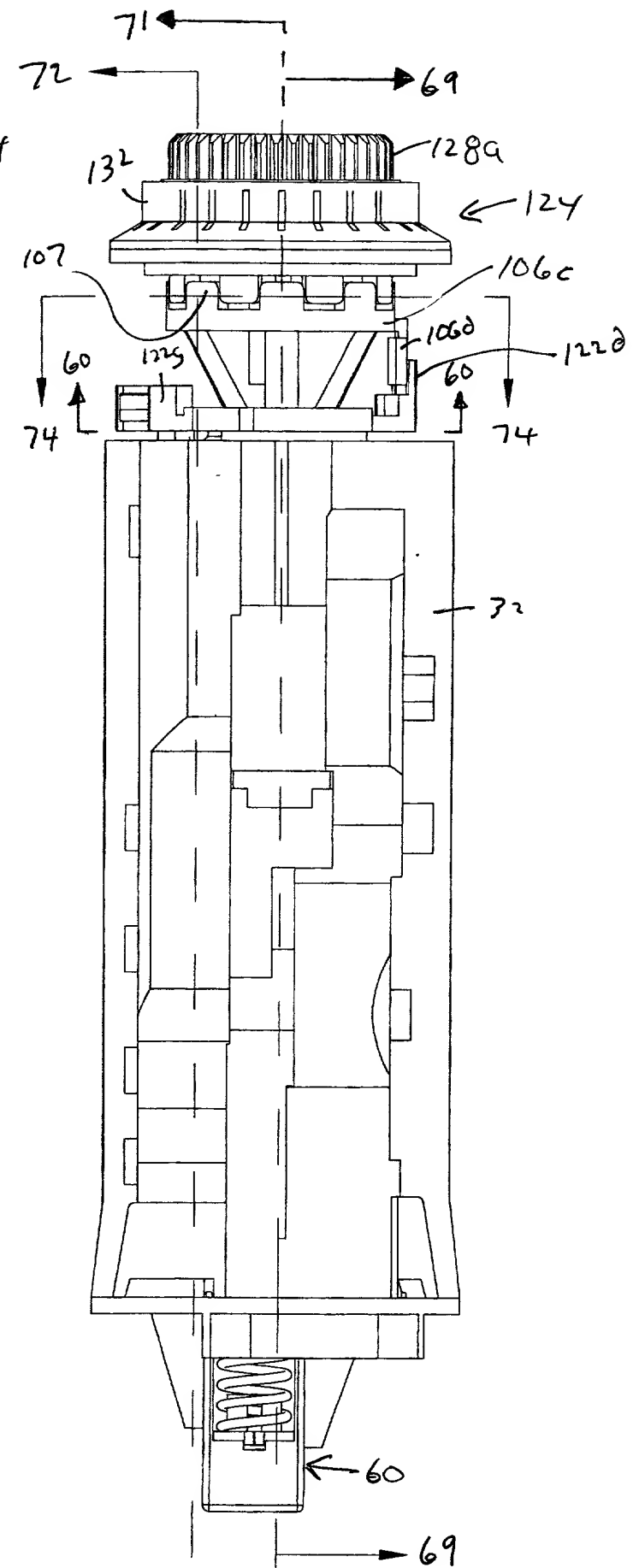


Fig. 70



FIG. 75 is a side cross-sectional view of a mechanical assembly. The assembly includes a central shaft (32) passing through a housing (60). At the top, there is a gear (124) mounted on the shaft. Below the gear, there is a component (106) that appears to be a valve or a piston. The shaft is supported by bearings (1220) within the housing. The housing has a flange (130) at the top. The bottom of the shaft is also supported by a bearing (60). The shaft has a series of steps or changes in diameter along its length.

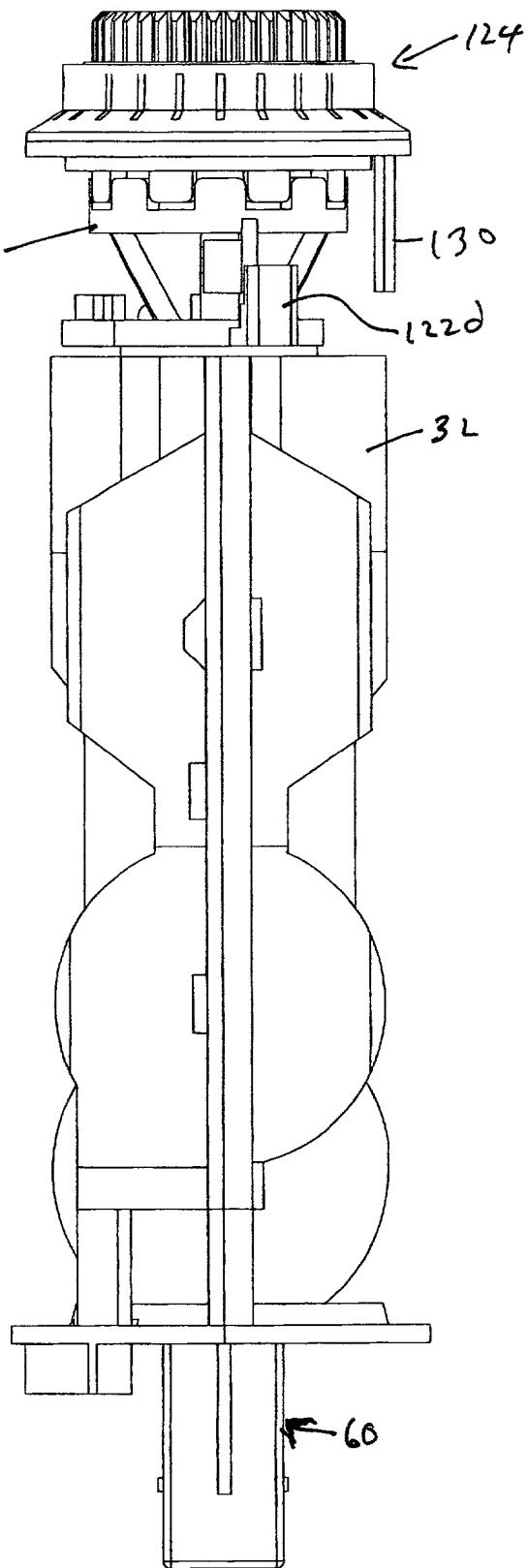


Fig. 75

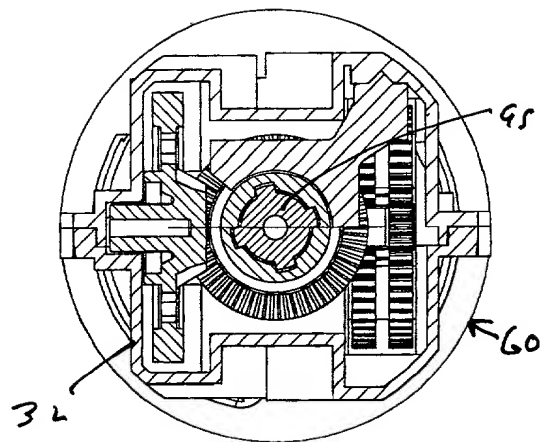


Fig. 77

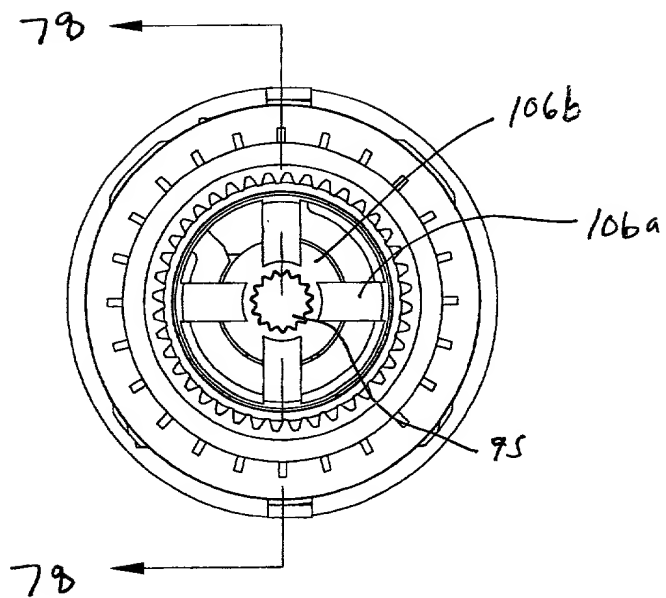
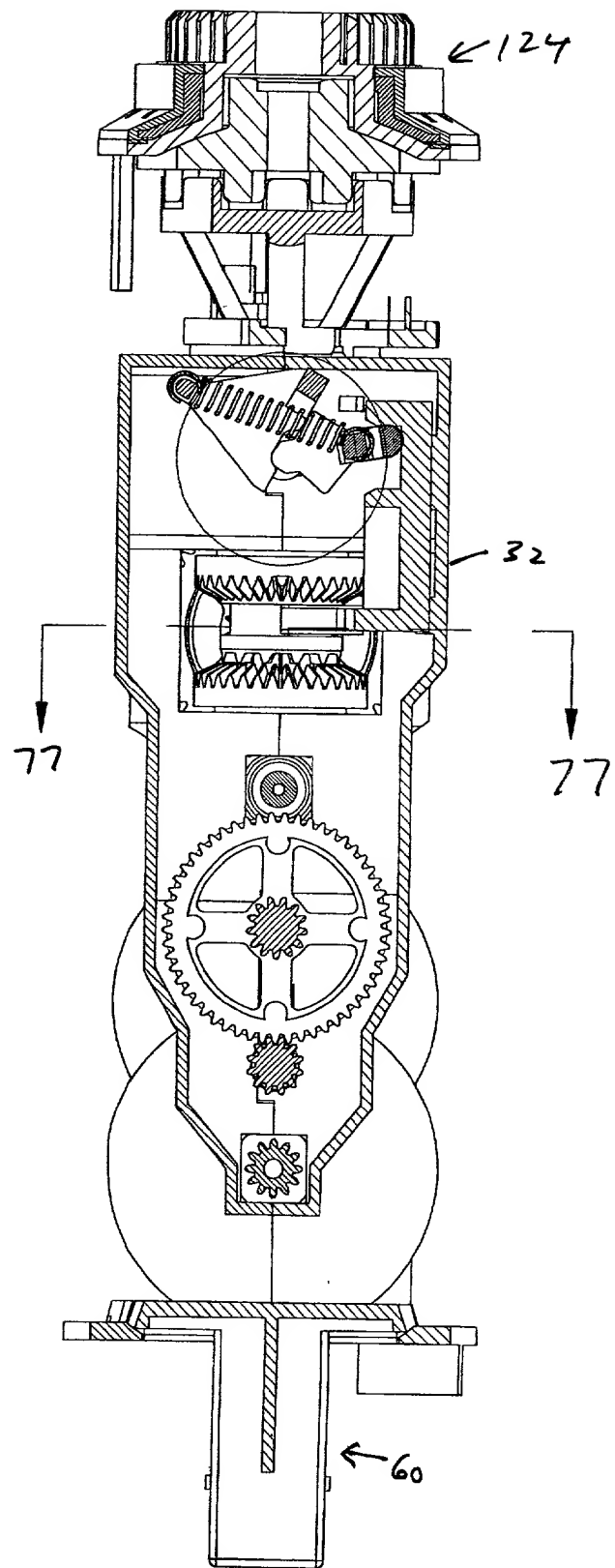
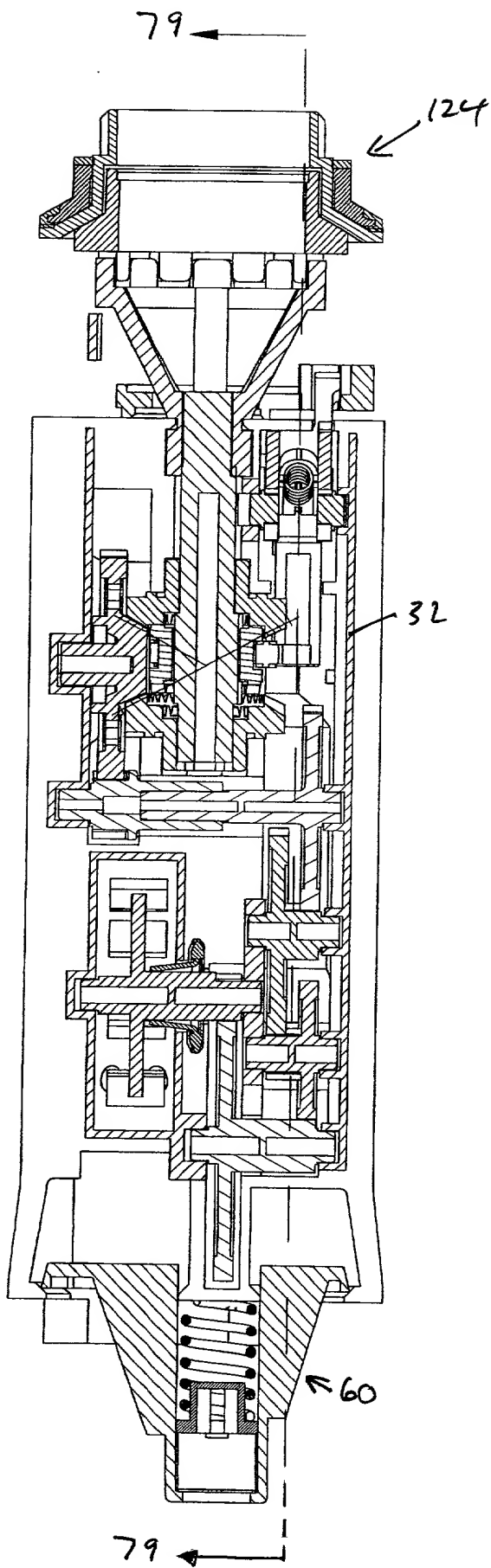


Fig. 76



10

Fig. 80 is a cross-sectional view of the device in a first position, showing the internal components and the housing. The device is shown in a cross-sectional view, revealing internal components such as a central shaft, a piston, and a valve. The housing is shown with a series of circular openings along its length. The device is labeled with the number 10.

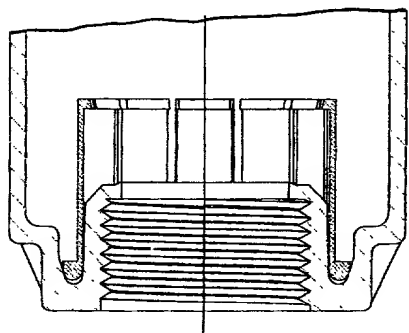
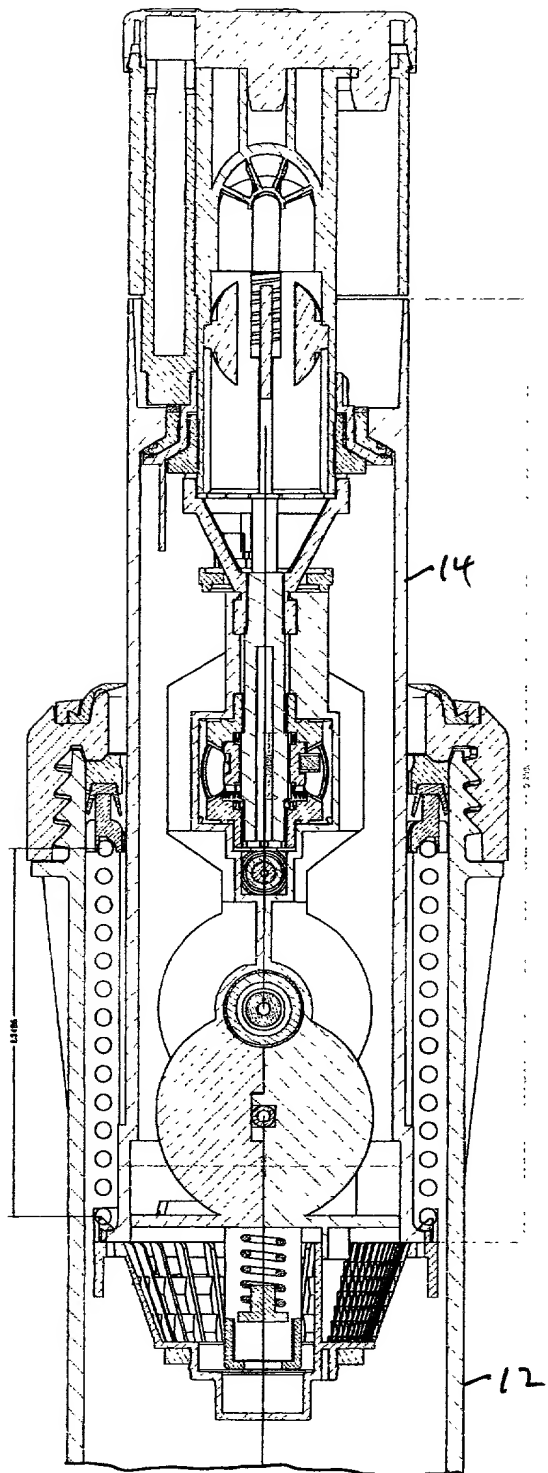
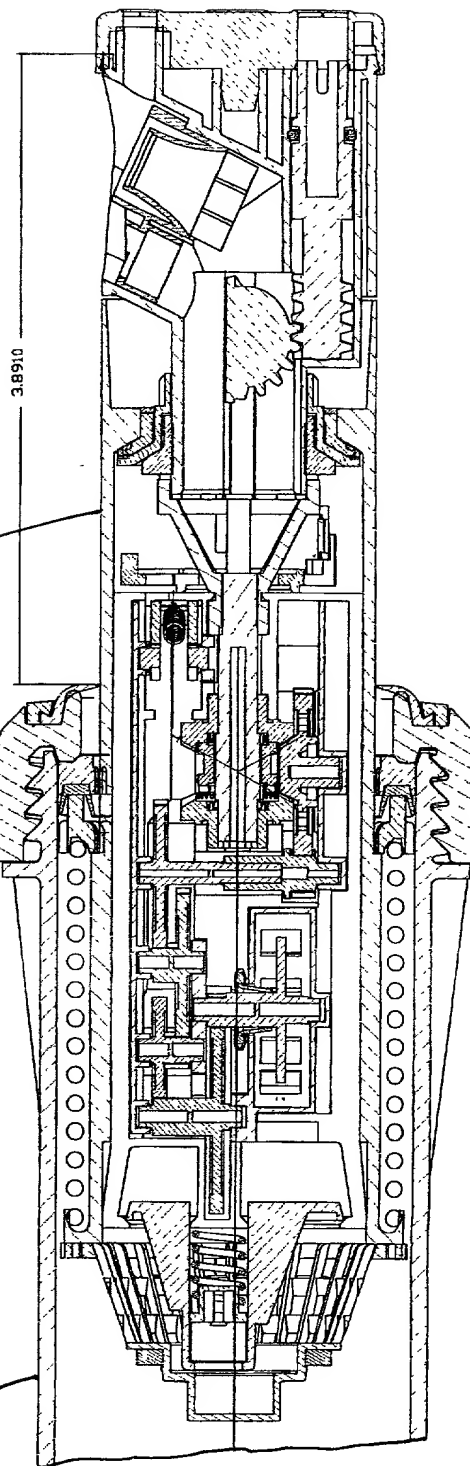


Fig. 80

14



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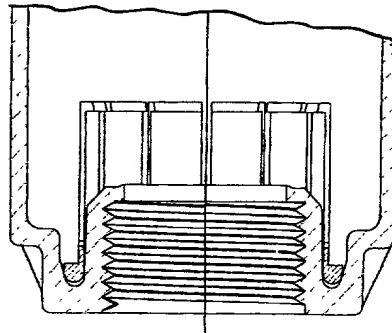
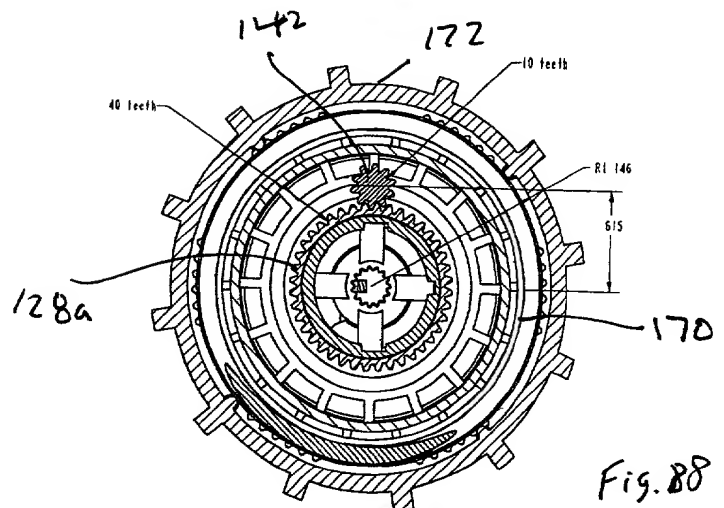
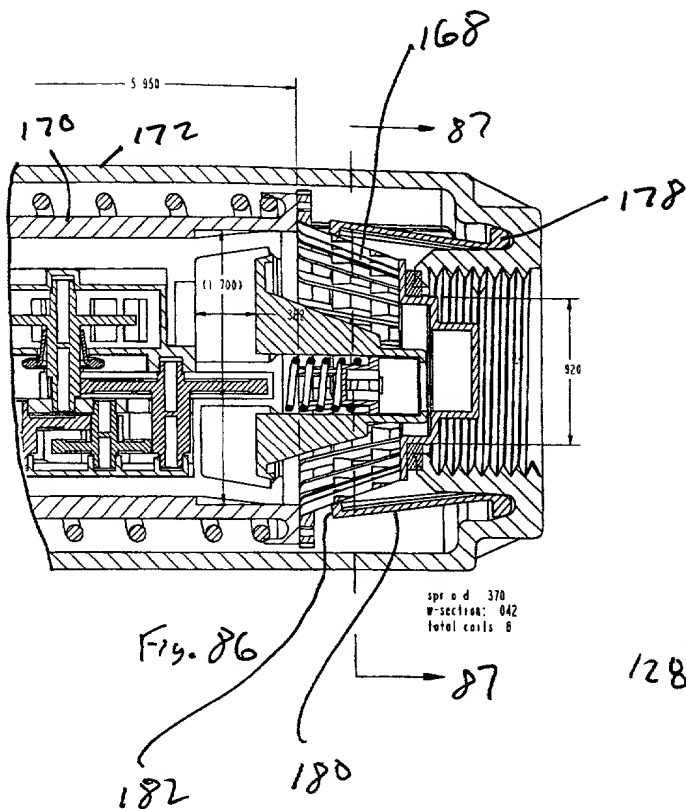
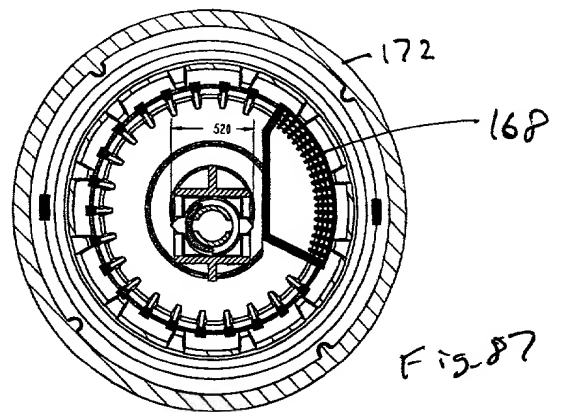
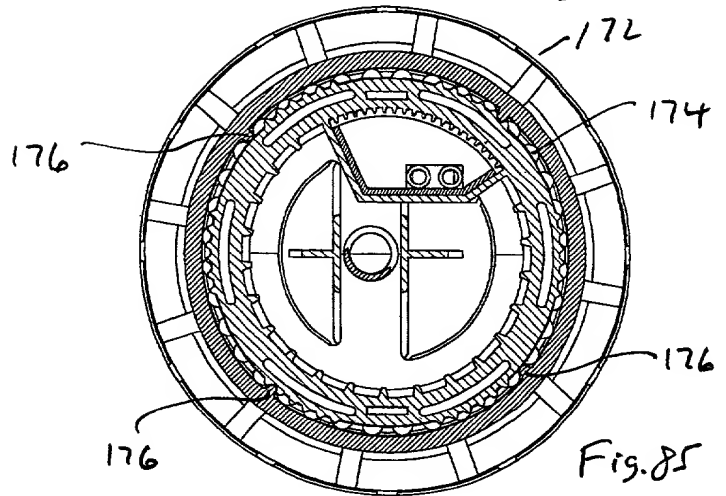
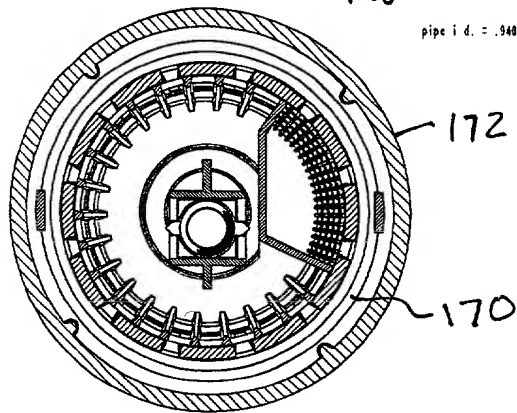
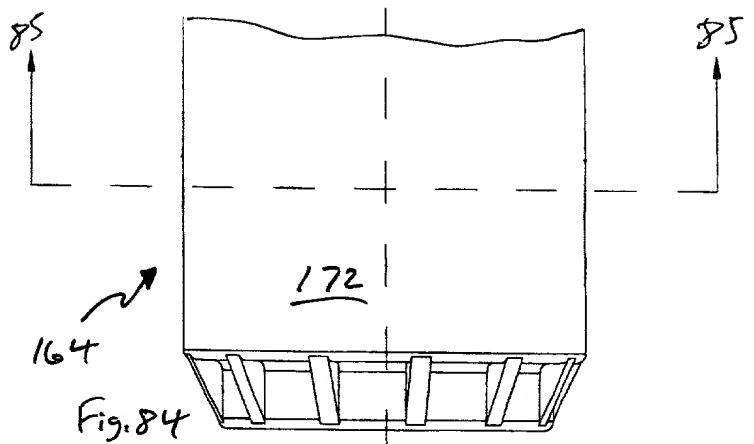
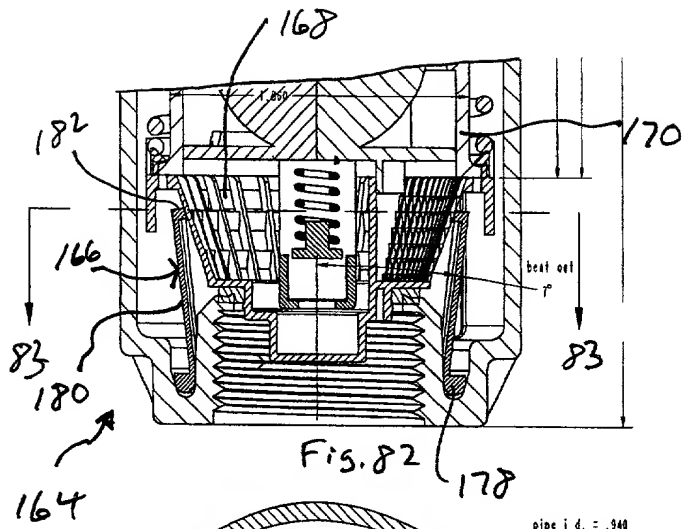


Fig. 81



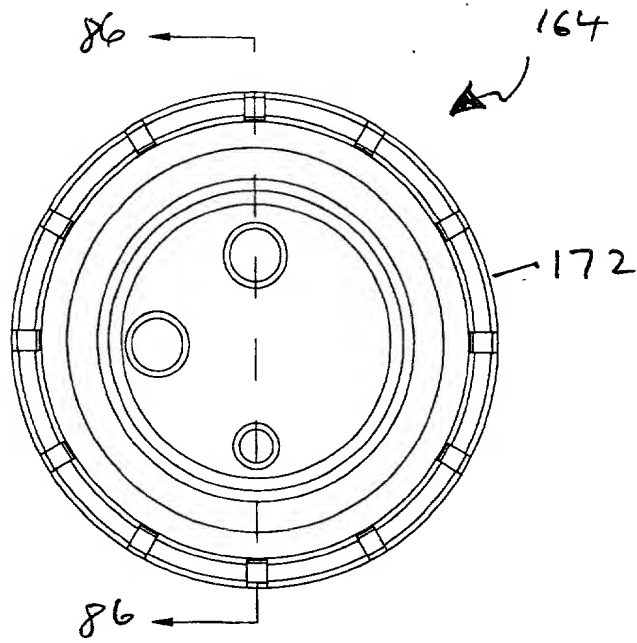


Fig. 89

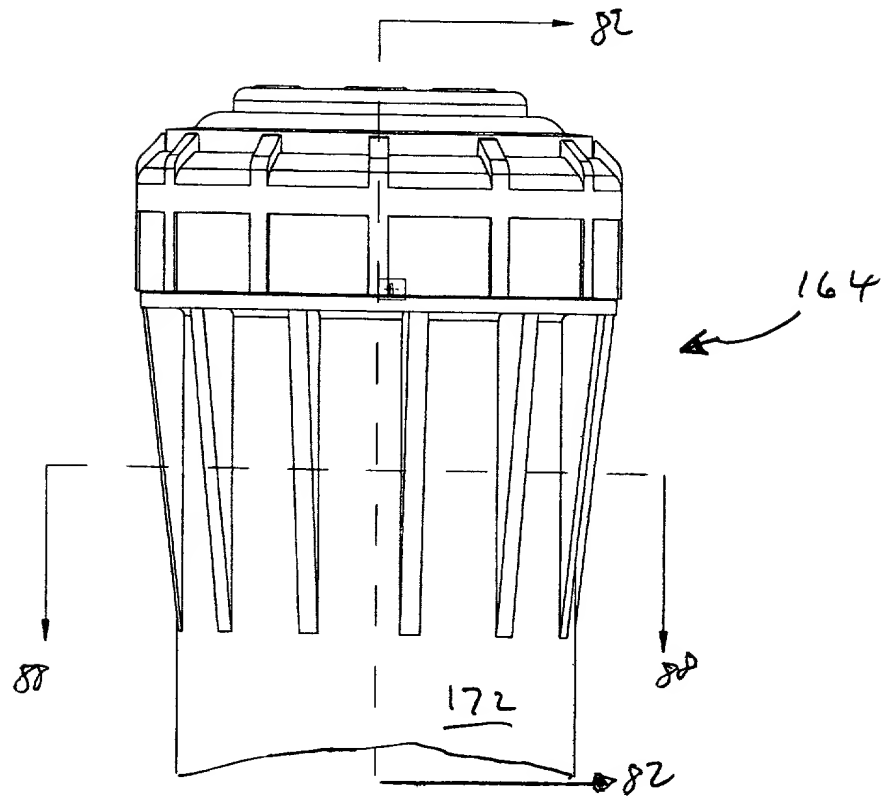


Fig. 90



94  
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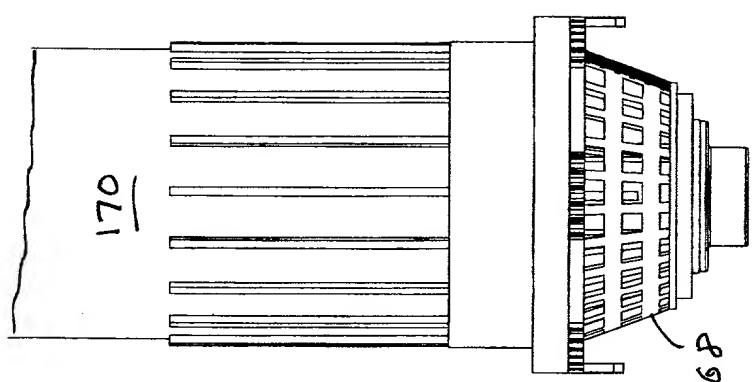


Fig. 91

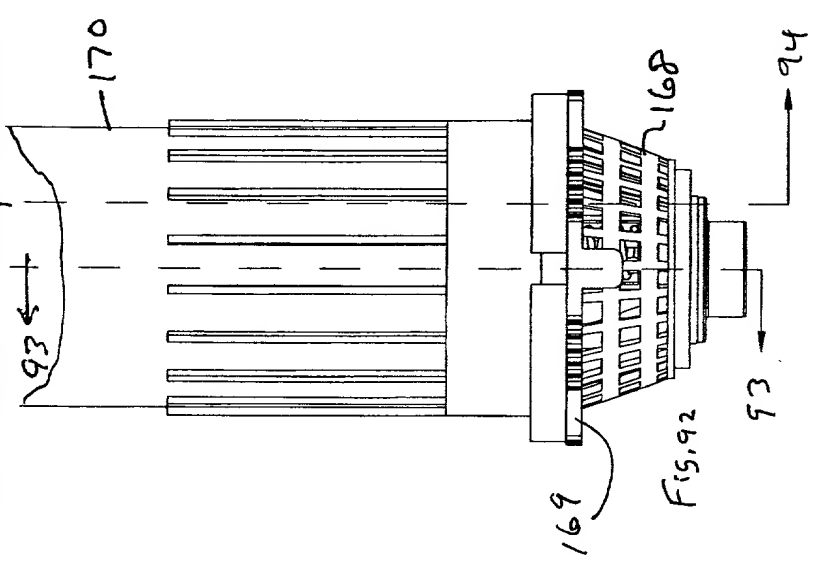


Fig. 92

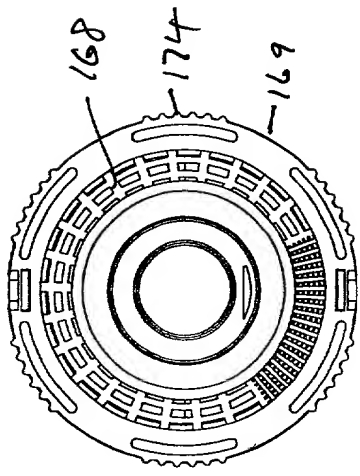


Fig. 96

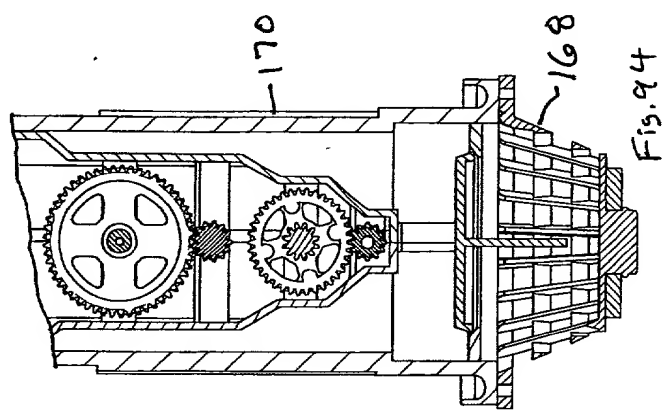


Fig. 94

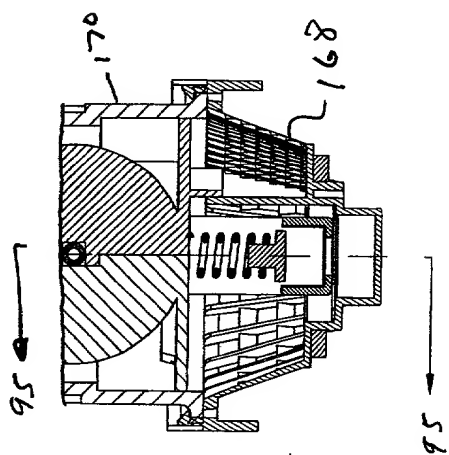


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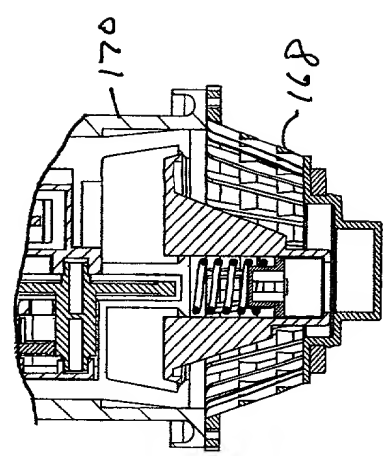


Fig. 95